

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



# MICHELL'S BULBS

62.73

1916

27<sup>TH</sup>  
YEAR

LIBRARY  
RECEIVED  
JUN 1 1920

GIANT  
DARWIN TULIP (LATE)  
WM. PITT  
BRILLIANT CARMINE  
50 CTS. PER DOZ., \$3.75 PER 100  
SEE INSIDE PAGES FOR A  
COMPLETE LIST OF  
DARWIN TULIPS

GIANT  
SINGLE NARCISSUS  
BICOLOR VICTORIA  
YELLOW TRUMPET, WHITE PERIANTH  
LARGE BULBS  
40 CTS. PER DOZ., \$2.75 PER 100  
MONSTER BULBS  
70 CTS. PER DOZ.,  
\$4.50 PER 100

HENRY F. MICHELL CO.  
518 MARKET STREET, PHILADELPHIA



## BUSINESS TERMS

We Especially Invite Charge Accounts. A charge account is more convenient than to remit for each order at the time it is sent us; you pay no more for your goods by reason of this accommodation. As to our responsibility, we refer you to Dun's or Bradstreet's Mercantile Agency.

When sending your first charge order, refer, preferably, to someone with whom you have a charge account. This saves many a delay. When sending us your first order accompanied by remittance, we prefer bank cashier's check or money order, unless cash is sent; this frequently saves delays.

Goods can be sent C. O. D., with the exception of perishable items, which includes plants and cold-storage bulbs. These cannot be sent C. O. D. unless a partial remittance accompanies the order.

## SHIPPING INSTRUCTIONS

Always state clearly by what method you want goods forwarded, otherwise we will ship according to our best judgment.

## INVITATION

All customers and others interested in horticulture or agriculture are cordially invited to visit our plant establishment at Andalusia Station (N. Y. Division of P. R. R.) about 16 miles from Philadelphia. In the spring, summer and autumn we invariably have interesting displays of hardy flowers, etc. This invitation applies to our city establishment as well, at 518 Market Street, Philadelphia.

## DELIVERY SERVICE

To points where baggage-master or package service is in operation, we can ship all orders, which can be packed in one parcel or piece, not exceeding 50 pounds in weight, free of transportation charges at prices quoted in this catalog. Fertilizers in more than 25-lb. lots, or bulky packages, are not accepted by baggage-master service. Our wagon delivery also covers many sections of Philadelphia.

## SHIPPING FACILITIES OF PHILADELPHIA

Express—Wells-Fargo, Adams, American.

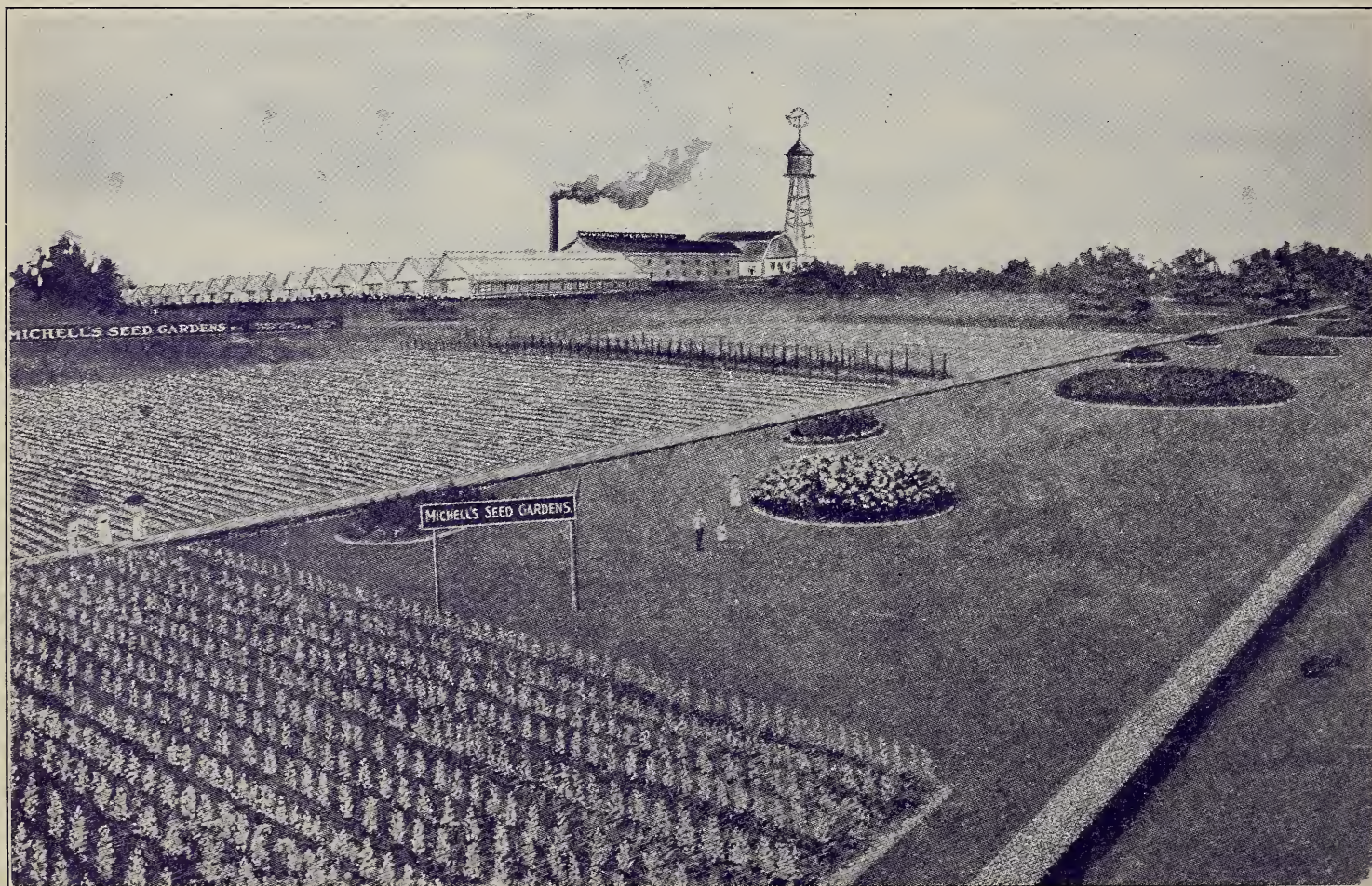
Freight—Baltimore & Ohio, Reading, Lehigh Valley and Pennsylvania.

Boat—Clyde Line, Merchants' & Miners' Steamship Company.

The above transportation companies, with their connecting lines, enable us to ship quickly and economically all over the world.



*Henry F. Michell Company endeavor to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results of crops. If customers do not accept our goods on the above conditions, they can be returned to us within ten days, if in the original packages, free of expense to us.*



A Partial View of Michell's Nurseries, Andalusia, Pa. (50 Acres)

Frequently referred to as "A Mile of Beauty" along the Pennsylvania R. R. N. Y. Division, about 16 miles from Philadelphia, by reason of its running parallel therewith for over 2000 feet



## ORDER NO.

Please DO NOT Write HERE  
Don't Ship unless numbered above  
and approved as below  
APPROVED FOR FILING

Please DO NOT Write in Space Above  
PRICED BY

Answer

[illegible]

Gardener or Supts. Name for purpose of Notifying that Shipment has been made

AMT. FWD.

PLEASE DO NOT ASK QUESTIONS ON THIS ORDER SHEET, BUT WRITE THEM, AND ALL COMMUNICATIONS REQUIRING AN ANSWER, ON A SEPARATE SHEET AND ENCLOSE WITH ORDER, TO INSURE A MORE SPEEDY REPLY

**SPECIAL NOTICE TO ORDER CLERKS:—**See that all items that can be shipped at one time are sent and checked and items to follow marked O, and attach incomplete slip to this original order.

(SEE OTHER SIDE)



100M-9-16. Cupp. no. 1000

PUT  
2-CENT  
STAMP  
HERE

**MICHELL'S SEED HOUSE**

**518 MARKET STREET**

**PHILADELPHIA, PA.**





## INDEX TO CONTENTS OF MICHELL'S 1916 BULB CATALOG

BULBS, ROOTS, Etc.	PAGE	PLANTS	PAGE	PLANTS	PAGE	PLANTS	PAGE	MISCELLANEOUS	PAGE
Aconite	25	Apricots	93	Hydrangea	79, 83	Tamarix	85	Insecticides	106, 107
Allium	25	Aquilegia	65	Hypericum	69	Tansy	55	Labels	103
Amaryllis	25	Arabis	65	Iberis	69	Tarragon	55	Ladders	97
Anemones	26	Armeria	65	Incarvillea	71	Thalictrum	76	Lawn Cleaner	99
Anomatheca	25	Artemisia	65	Inula	71	Thermopsis	76	Lawn Rakes	99
Begonias	25	Asclepias	65	Iris	70	Thyme	55	Lawn Seeders	99
Calla	26	Ash	89	Kalmia	83	Trillium	76	Lawn Sprinklers	96
Chinese Lilies	27	Asparagus	55	Kerria	83	Tritoma	76	Leaf Mould	103
Chionodoxa	27	Aster	65	Larch	88	Trollius	76	Leaf Racks	99
Crocus	15	Astilbe	66	Lavender	55, 71	Tulip Tree	89	Lopping Shears	95
Crown Imperials	28	Aubrietia	66	Liatris	71	Umbrella Tree	89	Manure Distributor	97
Cyclamen	27	Azaleas	81	Lilacs	83	Valeriana	77	Manures	108
Daffodils	16 to 21	Baptisia	66	Lily of the Valley	71	Verbascum	77	Mastica	102
Dielythra	28	Bay Trees	80	Linden	88	Veronica	77	Mastica Machine	102
Eranthus	25	Beech	88	Linum	71	Viburnum	85	Mehler's Tools	98
Eremurus	28	Bellis	63	Lobelia	71	Vinca	77	Miniature Hotbeds	102
Freesia	29	Berberis	79-82	Lonicera	83	Violet	63	Moss	103
Galanthus	35	Birch	88	Lupinus	71	Vitex	85	Nozzle Holders	96
Gladiolus	30	Blackberries	90-91	Lychnis	71	Weigelia	85	Nozzles	97, 105
Gloxinias	28	Bocconias	66	Lythrum	71	Willows	89	Orchid Peat	102, 103
Grape Hyacinths	32	Boltonia	66	Magnolia	88	Yucca	77	Paper	103
Hyacinths, Bedding	7	Boxwood	80	Maples	84, 89			Paper Pots	101
" Double Named	5	Calimeris	66	Mertensia	71			Peat	103
" Single First Size	4	Callirhoe	66	Mint	55			Pebbles	103
" Miniature	4	Calycanthus	82	Monarda	71			Plant Stakes	104
" Romans	7	Campanula	66	Mulberry	89			Plant Tubs	101
" Second Size	6	Carnation	63	Myosotis	63			Potato Scoops	99
" Exhibition Size	5	Caryopteris	66	Nicrembergia	71			Pot Brackets	100
Iris	31	Cassia	66	Nut Trees	94			Pot Labels	103
Ixias	31	Catananche	66	Oak	80			Pots	101
Ismene	34	Cauliflower	55	Oenothera	71			Protecting Cloth	100
Jonquils	20	Cedronella	66	Ononis	71			Pruners	95
Leucojum	32-35	Centaurea	66	Onopordon	71			Pruning Gloves	95
Lilies Formosum	24	Cerastium	66	Orobis	71			Pruning Saws	95
" Giganteum	24	Cerasus	82	Pachysandra	71			Pruning Shears	95
" Hardy	22-23	Cercis	82	Paenies	74			Pumps	105
" Harrisii	24	Chamaepeuce	66	Pansies	63			Putty	102
" Multiflorum	24	Chelone	66	Pardanthus	71			Putty Bulbs	102
Lily of the Valley	32	Cherries	93	Peaches	94			Raffia	104
Montbretia	32	Chicory	55	Pears	94			Raffia Tape	104
Muscari	32	Chionanthus	82	Pentstemon	71			Rakes	98
Narcissus	16 to 21	Chrysanthemum	67	Philadelphus	83			Rat Corn	107
Ornithogalum	33	Cimicifuga	67	Phlox	71, 72			Reels	96
Oxalis	33	Clematis	67	Physalis	73			Rolling Stands	101
Pancratium	34	Clethra	82	Physostegia	73			Root Cutters	100
Puschkinia	33	Climbing Plants	77	Pinks	73			Rose Stakes	104
Ranunculus	34	Coreopsis	67	Plane Trees	89			Rubber Aprons	97
Scilla	34	Coronilla	67	Platyodon	73			Rubber Hose	96
Snowdrops	35	Currants	91	Plumbago	73			Rubber Sprinklers	97
Snowflake	32-35	Cyclamen	63	Plums	93			Rubbish Consumers	99
Sparaxis	34	Cytisus	82	Polemonium	73			Sand	103
Spiraea	35	Delphinium	35	Poplars	89			Sash	102
Tulips, Breeders	13	Deutzia	82	Poppy	73			Saucers	101
" Cottage Garden	12	Dianthus	67	Potentilla	73			Saws	95
" Darwin	10-11	Dictamnus	67	Primula	73			Seed Pans	101
" Double	14	Dielythra	67	Privet	79			Shaderine	103
" Parrots	13	Dogwood	88	Prunella	73			Shading Cloth	100
" Rembrandts	13	Doronicum	67	Prunus	84			Shears	95, 98
" Single Early	8-9	Echinops	67	Pyrethrum	73			Shovels	99
" Single Late	12	Edelweiss	67	Pyrus	84, 89			Sieves	99
Zephyranthes	35	Eleagnus	82	Quinces	94			Silkalene	104
		Elm	88	Ranunculus	75			Snow Shovels	99
		Erica	82	Raspberries	90, 91			Sod Crushers	98
		Erigeron	68	Rhododendron	81			Soil	103
		Erinus	68	Rhubarb	55			Soil Pulverizer	98
		Eryngium	67	Rhus	84			Sprayers	105
		Eupatorium	68	Rosemary	55			Stake Fasteners	104
		Evergreens	86, 87	Roses	78			Stakes	104
		Exochorda	82	Rudbeckia	73			Stoves	103
		Forsythia	82	Sage	55			Styptic	103
		Funkia	68	Salisburya	80			Syringes	97
		Gaillardia	68	Salvia	75			Thermometers	103
		Galega	68	Sambucus	85			Tinfoil	103
		Gentiana	68	Saponaria	75			Toothpicks	103
		Geranium	68	Satureja	75			Tree Guards	100
		Geum	68	Savory	55			Tree Labels	103
		Glechoma	68	Saxifraga	75			Tree Pruners	95
		Gooseberries	92	Scabiosa	75			Tree Scrapers	97
		Grapes	90, 92	Scutellaria	75			Tree Tanglefoot	107
		Grasses (Ornamental)	68	Sedum	75			Trowels	98
		Gypsophila	68	Senecio	75			Tubs	101
		Helenium	60	Shasta Daisy	75			Twines	101
		Helianthus	60	Silene	75			Vaporizing Lamps	102
		Heliopsis	68	Solidago	75			Vases	100
		Helleborus	60	Spiraea	76, 84			Watering Cans	97
		Hemerocallis	69	Stachys	75			Weed Killers	103
		Hepatica	69	Staphylea	85			Wheelbarrows	99
		Hesperis	60	Statice	76			Wine Presses	98
		Heuchera	69	Stokesia	76			Wire	101
		Hieracium	69	Strawberries	92			Wire Netting	100
		Hollyhock	69	Sylphium	76			Wire Stakes	101
		Horse Chestnut	88	Symphoricarpus	85			Zementine	103



## Brief Cultural Directions on a few of the Most Important Bulbs

### HYACINTHS

**Directions for Planting in the Open Ground.**—This should be done in October and November, but they can be set out at any time, as long as the ground is open and the bulbs remain sound. The best compost for their culture is the following: One-third sand, one-third well rotted cow manure and one-third good garden mould. Special care should be taken not to add any bone fertilizers, as they usually draw vermin. The beds composed of the above compost should be well dug to a depth of fourteen inches, and raised from two to four inches above the level of the walks. Care must be taken not to press the earth too firmly around and over the bulbs. After planting, rake the bed smooth, and after the ground has frozen tolerably hard in early winter cover with dry litter, leaves or coarse manure.

**For Culture in Pots.**—Prepare the above compost, adding, if possible, a quantity of leaf mould. The most favorable time for planting is September, October and November. The size of the pot depends on the number of bulbs planted in a single one; three bulbs in a pot of, say, six inches diameter make a rich, massive effect; one or two bulbs in each may be planted in proportionately smaller pots—two bulbs in each are very effective. When planted, water them well, then bury the pots in the open ground to the depth of six inches for eight weeks, in which condition the preparatory root growth necessary to a vigorous development of their flower spikes is made. After this period remove the pots to a cool room. Being exposed to the light for the first time care should be exercised not to place them in the direct rays of the sun for two or three days.

**For Growing in Glasses.**—Single varieties are the best for this purpose. Place the bulb in the glass, which should be filled with water so it touches the bottom of the bulb, place them in a cool place, in the dark, changing the water every ten days or two weeks; keep them in the dark for six to eight weeks, then remove them to the light. If then kept in a cool room they will produce very fine spikes. A small lump of charcoal prevents the water from getting foul.

### MINIATURE HYACINTHS

Although this type of Hyacinths is largely grown in pans or pots for decorative purposes, their splendid qualities as bedding bulbs should not be overlooked.

### Miniature Hyacinths (Continued)

If planted close together, say 4 to 6 inches apart, they produce a wonderful effect. Massed with other bulbs, as Crocus, Snowdrops, Tulips, etc., they are unsurpassed for their brilliancy. We are convinced that a trial of Miniature Hyacinths as bedding bulbs will give the greatest satisfaction.

### TULIPS

**For Bedding Out.**—The bed should be formed of a compost similar to that recommended for Hyacinths; the bulbs should be planted about four inches apart and about five inches deep (close planting makes a much finer effect and prevents the flowers breaking off when swaying in the wind); they should then be covered with a litter shortly before the severe freezing weather sets in, and left in this condition until spring approaches.

**For Pot or Pan Culture.**—Plant about four bulbs in a six-inch pot or five bulbs in a six-inch pan, water thoroughly and then remove to the open ground or in a cold frame, covering with coal ashes; after they have rooted thoroughly they should be brought into a moderately cool room and gradually warmer; by bringing in a fresh supply from the outside every ten days, they can be had in bloom continually.

### NARCISSUS

The double and single trumpet varieties should be planted in soil, and treated similar to Hyacinths. Chinese Lilies and Paper White Narcissus, and the Polyanthus type, such as Grand Soleil d'Or, etc., etc., succeed very well if planted in water and pebbles. A small lump of charcoal prevents the water from getting foul, although changes of water are advisable.

### CROCUS

A real show can be obtained from these tiny bulbs. They will bloom in a few weeks from time of planting inside. Place a few bulbs, or as many as the size of crock will warrant. In a short space of time the bulb will make a grand display. Planted out in the open ground, they bloom among the first of the spring flowers.

### Distances for Planting apart some of the most important Bulbs outdoors

Aconite. 3 to 4 inches.  
Anemone. 8 to 10 inches.  
Chionodoxa. 4 to 5 inches.  
Crown Imperials. 1 foot to 15 inches.  
Crocus. 2 to 3 inches.  
Colchicum. 6 to 8 inches.  
Daffodils. 5 to 6 inches.  
Dielytra. 3 to 4 feet.  
Hyacinths. Bedding sorts, 5 to 6 inches.  
Hyacinths (Grape). 3 to 4 inches.  
Iris, Japanese. 2 to 3 feet.  
Iris, Spanish. 4 to 5 inches.  
Iris, English. 6 to 8 inches.  
Ixias. 3 to 4 inches.  
Jonquils. 3 to 4 inches.  
Lilium Candidum. 1 to 2 feet.  
Lilium Japan Varieties. 1 to 2 feet.  
Lily of the Valley (Clumps). 1 to 2 feet.  
Paeonies. 2 to 3 feet.  
Ranunculus. 4 to 5 inches.  
Snowdrops. 3 to 4 inches.  
Scilla. 3 to 4 inches.  
Sparaxis. 3 to 4 inches.  
Spirea. 1 to 2 feet.  
Star of Bethlehem. 5 to 6 inches.  
Tulips. 4 to 6 inches.

### Number of Bulbs required for Planting Circular Beds at distances noted below

Oval beds require very much the same number, although we will be glad to give the exact information whenever desired, also for other sized or shaped beds.

#### DISTANCES FOR PLANTING APART

DIAMETER OF BED	3 inches apart	4 inches apart	6 inches apart	8 inches apart	10 inches apart	12 inches apart
2 feet .....	61	37	19	....	....	....
3 " .....	127	95	37	....	....	....
4 " .....	217	127	61	37	24	19
5 " .....	331	225	91	69	37	25
6 " .....	469	271	127	78	52	37
7 " .....	631	410	169	96	71	48
8 " .....	817	469	217	127	85	61
9 " .....	1027	650	271	156	110	74
10 " .....	1261	721	331	190	127	91
11 " .....	1519	940	397	240	150	110
12 " .....	1801	1027	469	271	169	127
13 " .....	2107	1280	543	318	200	150
14 " .....	2437	1387	631	360	240	169
15 " .....	2791	1670	721	420	271	200
16 " .....	3169	1801	817	469	318	217
17 " .....	3571	2140	919	543	360	240
18 " .....	4037	2269	1027	590	390	271
19 " .....	4187	2640	1141	631	420	318
20 " .....	4961	2791	1261	721	469	331
21 " .....	5459	3210	1387	785	540	360
22 " .....	6981	3367	1519	817	590	397
23 " .....	7527	3870	1659	945	625	420
24 " .....	8097	4037	1801	1027	670	469
25 " .....	8691	4325	1951	1165	721	500



# GROW YOUR HOUSE BULBS

## IN

# MICHELL'S PREPARED FIBRE

## THE BEST AND MOST CHARMING WAY OF PRODUCING

# SPRING FLOWERS

## FOR HOUSE AND TABLE DECORATION



*Tulips Growing in Fibre*



*Roman Hyacinth Growing in Fibre*



*Narcissus, Growing in Fibre*

The wonderful success that has been achieved in growing bulbs, such as Roman Hyacinths, Dutch Hyacinths, Narcissus, Tulips, etc., in this special fibre, using vases, crocks, or other receptacles **without** drainage, proves that it is not only a most charming and effective method of growing bulbs for those who have neither a garden, the conveniences of greenhouses, or frames, or have a difficulty in obtaining suitable soil, but that it is also one which we feel sure is being and will be much more extensively adopted in the future, when it is fully realized what can be done in this way.

The advantage of this system is that the vases can be placed anywhere about the house, in the drawing room, or dining room, without fear of any mess from water or soil coming through the base of pots. The fibre is perfectly odorless, and clean to handle. It is specially and carefully prepared for this purpose and we strongly recommend all to grow a few various bulbs in this way, if they have not yet done so.

The bulbs are potted the same way as in ordinary soil, just showing their tops. It is **not necessary** or **desirable** to press the fibre **tightly**, otherwise the roots do not work freely, and bulbs have a tendency to push themselves upwards. Once potted, they require hardly any attention, only **great** care should be taken to keep the compost moist, but on no account must it be **sodden or too wet**.

If **once** allowed to become dry, even for half a day only, the pores of the roots close up and the bulbs in many cases go blind and are ruined. This happens more frequently with Tulips than Narcissus, the tulip roots being finer and therefore more liable to injury.

When the bulbs have been potted, vases or jars should be kept in a **dark** airy cellar or room, nothing is worse than a confined cupboard or a small, airless dark room.

When the bulbs have grown about one inch, they should be brought to daylight, and the vases or bowls can be placed in the window, taking care, of course, to keep them from frost.

Price of **Michell's Prepared Bulb Fibre**: 30c.  $\frac{1}{2}$  peck; peck, 50c.; 85c. per  $\frac{1}{2}$  bushel; bushel, \$1.50.



# 4 MICHELL'S SUPERB (FIRST SIZE) NAMED HYACINTHS

These bulbs are selected especially for our critical trade, and are the best to be obtained. Our customers may depend upon getting only the very choicest, as our list embraces such sorts as have won prizes at horticultural exhibitions.

**Note.**—To assist customers in selecting varieties that will bloom together, we have affixed the letters E, M and L; signifying, E for early sorts, M for mid-season sorts, and L for late sorts.

## SINGLE RED

	Each	Doz.	100
M Amy. Rich, brilliant red .....	\$0.10	\$1.00	\$6.50
E Duchess of Albany. Bright crimson.....	.10	1.00	6.50
L Koh-i-Noor. (Semi-double.) Bright, very fine, large spike .....	.10	1.00	6.50
M Robert Steiger. Crimson, good spike.....	.10	1.00	6.50
L Roi des Belges. Bright scarlet .....	.10	1.00	6.50

## SINGLE PINK

E Baron von Thuyl. Light rose .....	.10	1.00	6.50
L Cardinal Wiseman. Rosy pink, large.....	.10	1.00	6.50
M Gertrude. Fine, deep pink .....	.10	1.00	6.50
M Gigantea. Light, good truss .....	.10	1.00	6.50
M Maria Cornelia. Rose, very early.....	.10	1.00	6.50
M Moreno. Extra fine, deep pink.....	.10	1.00	6.50
M Jacques. Pale pink .....	.12	1.25	7.00
E Queen of Pinks. Rich pink, large spike ....	.25	2.75	20.00
E Rosea Maxima. Fine, salmon pink .....	.10	1.00	6.50

## SINGLE WHITE

E Alba Superbissima. Pure white .....	.10	1.00	6.50
E Angenis Christina. Pure white, very fine...	.12	1.25	7.00
E British Queen. Pure white, early .....	.12	1.25	7.00
M Grandeur a'Merveille. Blush white .....	.10	1.00	6.50
M La Grandesse. Pure white .....	.12	1.25	7.00
M L'Innocence. Pure; extra fine .....	.12	1.25	7.00
M Mad. Van der Hoop. Pure white .....	.10	1.00	6.50
M Mont Blanc. Pure, early, large spike.....	.12	1.25	7.00
M Queen of the Netherlands. Extra fine .....	.10	1.00	6.50

## SINGLE BLUE

M Enchantress. Porcelain blue .....	.12	1.25	7.00
M Schotel. Pale blue .....	.12	1.25	7.00
M Chas. Dickens. Porcelain .....	.12	1.25	7.00
M Czar Peter. Porcelain, large spikes .....	.12	1.25	7.00
M Grand Maitre. Bright, very fine .....	.10	1.00	6.50
M Ivanhoe. Deep purple .....	.10	1.00	6.50
L King of the Blues. Bright blue.....	.10	1.00	6.50
M Lord Derby. Silvery porcelain .....	.10	1.00	6.50
E Potgieter. Light blue, large bells .....	.12	1.25	7.00
L Queen of the Blues. Porcelain .....	.12	1.25	7.00

## SINGLE YELLOW

M Ball of Gold. Golden yellow, large compact spike .....	.12	1.25	7.00
M Yellow Hammer. Golden yellow broad truss ..	.12	1.25	7.00
L King of the Yellows. Bright .....	.12	1.25	7.00
M La Citroniere. Lemon .....	.10	1.00	6.50

Single bulbs mailed free. Parcel Post Weight per doz., 3 lbs.

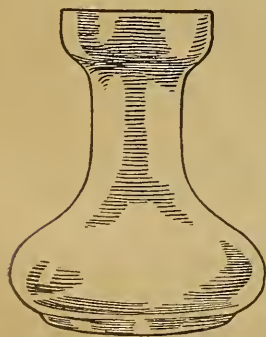
## HYACINTH GLASSES (Not Mailable)

Hyacinths grow beautifully and look most decorative when grown in glasses with water.

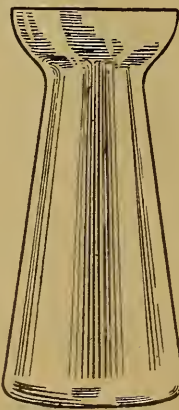
These Hyacinth glasses are specially made for this purpose.

**Belgian.** In the following colors: Blue, green, white. 20c. each; per dozen, \$2.25.

**Tye or Low Pattern.** Heavier than the above style, but in the same colors. 20c. each; dozen, \$2.25.



Tye or Low Pattern



Belgian Style



Michell's First Size Hyacinth "Enchantress," (about Two-thirds Size)

## SPECIAL VARIETIES OF HYACINTHS

### Suitable for Glass Culture

- Ball of Gold.** Golden yellow; very large spike.
  - Cardinal Wiseman.** Rosy pink; splendid large truss.
  - Czar Peter.** Porcelain blue; large truss.
  - Gertrude.** Deep pink; one of the best in its color.
  - Grand Maitre.** Bright blue; extra large splendid spikes.
  - King of the Blues.** Bright blue; very fine; compact.
  - La Grandesse.** Pure white; splendid grower.
  - L'Innocence.** Pure white; very fine.
  - Moreno.** Deep pink; extra fine.
  - Roi des Belges.** Bright scarlet; large compact spike.
  - Rosea Maxima.** Fine spike; compact grower; salmon pink.
  - Yellow Hammer.** Golden yellow; broad truss.
- Special Offer.** One each of the above 12 varieties for \$1.00; P. P. weight per dozen, 3 lbs.

## TESTIMONIAL ON MICHELL'S BULBS

NORFOLK, VA.

We are well pleased with the bulbs you have sent us and assure you that you shall have other orders from us.

J. S. SEELY & SON.



## MICHELL'S SUPERB HYACINTHS (Continued)

## DOUBLE VARIETIES FIRST SIZE NAMED

The Double Hyacinths, while grown by many, do not produce as large a spike as the single sorts. They should not be used for growing in glasses as there they are not entirely satisfactory. The sorts we offer have been chosen from a long list and can be depended upon to give good results.

	Each	Doz.	100
<b>DOUBLE BLUE</b>			
Blocksberg. Porcelain, large bells and spike.....	\$0.10	\$1.00	\$6.50
Garrick. Deep, very good.....	.10	1.00	6.50
Delicata. Pale blue .....	.10	1.00	6.50
Genl. Kohler. Bright, porcelain blue.....	.10	1.00	6.50

## DOUBLE RED AND PINK

Bouquet Royal. Salmon pink, red centre.....	.10	1.00	6.50
Bouquet Tendre. Dark red, large spike.....	.10	1.00	6.50
Czar Nicholas. Pink, large truss.....	.10	1.00	6.50
Grootvorst. Rose blush pink.....	.10	1.00	6.50
Lord Wellington. Pink, large truss, the finest.....	.10	1.00	6.50
Pres. Roosevelt. Deep rose pink.....	.10	1.00	6.50

## DOUBLE WHITE

Flevo. Pure, fine truss.....	.10	1.00	6.50
La Tour d'Auvergne. Pure, perfect spike, early....	.10	1.00	6.50
La Virginite. Cream white .....	.10	1.00	6.50
Prince of Waterloo. Pure white, extra large .....	.10	1.00	6.50

## DOUBLE YELLOW

Bouquet d'Orange. Orange salmon .....	.10	1.00	6.50
Goethe. Rich light yellow.....	.10	1.00	6.50
Minerva. Very fine truss, orange yellow.....	.10	1.00	6.50
Sunflower. Yellow, tinted salmon.....	.10	1.00	6.50

Single bulbs mailed free. Parcel Post Weight, per doz., 3 lbs.

## NAMED EXHIBITION HYACINTHS

Every year we have our most reliable grower make us a selection of the largest possible Hyacinth Bulbs to be obtained. He usually scours the entire bulb-growing district of Holland to find them. In past years they've been so sought after that we rarely have enough to meet demands; so order early. We offer them in single varieties only, our selection. 20c. each; doz., \$1.75; \$12.50 per 100.



Michell's First Size Named Double Hyacinth "Lord Wellington"

## MINIATURE OR PAN HYACINTHS

Largely grown in pans for window decoration, etc. The trusses are magnificent and almost as large as the regular hyacinths. P. P. W., 1 lb. per doz; 100, 8 lbs.

	Each	Doz.	100
<b>SINGLE BLUE SORTS</b>			
Chas. Dickens. Porcelain .....	\$0.05	\$0.35	\$2.50
Grand Maitre. Bright blue .....	.05	.35	2.50
King of the Blues. Bright blue..	.05	.35	2.50
Lord Derby. Light blue .....	.05	.35	2.50

## SINGLE PINK AND RED SORTS

Cardinal Wiseman. Rosy pink ..	.05	.35	2.50
Chas. Dickens. Light pink .....	.05	.35	2.50
Gertrude. Deep pink .....	.05	.35	2.50
Gigantea. Light pink .....	.05	.35	2.50
Moreno. Deep pink .....	.05	.35	2.50
Roi des Belges. Bright scarlet ..	.05	.35	2.50

## SINGLE WHITE SORTS

Albertine. Pure white .....	.05	.35	2.50
La Grandesse. Fine, pure white..	.05	.35	2.50
Mad Van der Hoop. Pure white ..	.05	.35	2.50

## SINGLE YELLOW SORT

Yellow Hammer. Golden yellow	.05	.35	2.50
------------------------------	-----	-----	------



Michell's Dutch Roman, Pan, or Miniature Hyacinths

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates



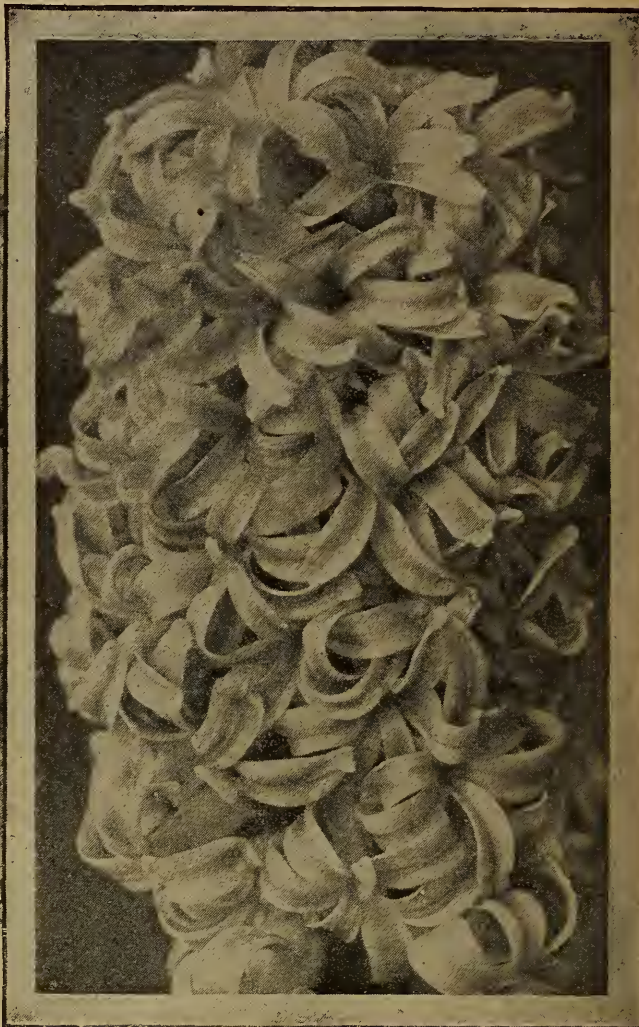
# MICHELL'S NAMED HYACINTHS FOR FORCING AND High-Class BEDDING

Of late years the Named Hyacinths have gained wide prominence for bedding; they are ideal on account of their flowering at one time, being all one height and uniform in appearance. The varieties offered on this page, while Second Sized Named Varieties, are especially recommended where the above effect is desired.

**SPECIAL OFFER**—Our Selection of Named Varieties with your choice of color \$4.75 per 100; per 1000, \$42.50. Be sure to refer to this special offer when ordering.



Michell's Hyacinths Planted in "Capitol Hill Park," Harrisburg, Pa.



**Note**—To assist customers in selecting varieties that will bloom together, we have affixed the letters E, M, L, signifying E for early, M for mid-season, L for late.

## SINGLE RED HYACINTHS

	Each	Doz.	100	1000
L Koh-i-Noor. (Semi-double). Bright..	\$0.07	\$0.70	\$5.00	\$45.00
M Queen of Hyacinths. Scarlet .....	.07	.70	5.00	45.00
M Rob't Steiger. Crimson, compact truss	.07	.70	5.00	45.00
L Roi des Belges. Bright scarlet.....	.07	.70	5.00	45.00

## SINGLE WHITE HYACINTHS

E Alba Superbissima. Pure white ....	.07	.70	5.00	45.00
E British Queen. Pure white .....	.08	.80	5.50	50.00
M Grandeur a'Merveille. Blush white..	.07	.70	5.00	45.00
M La Grandesse. Pure white.....	.08	.80	5.50	50.00
M L'Innocence. Pure .....	.08	.80	5.50	50.00
M Mad. Van der Hoop. Pure.....	.07	.70	5.00	45.00
M Mont Blanc. Fine, pure white.....	.08	.80	5.50	50.00
M Queen of the Netherlands. Pure.....	.07	.70	5.00	45.00

## SINGLE YELLOW HYACINTHS

M Herman. Orange .....	.07	.70	5.00	45.00
M Ida. Bright yellow .....	.07	.70	5.00	45.00
M City of Haarlem. Golden yellow ....	.08	.80	5.50	50.00

We cannot impress too strongly upon the necessity of ordering Hyacinths (and other bulbs) as early as possible. By doing so you get the best selection. **Order before November the 15th** if possible; orders received later, however, will receive our usual careful attention.

## SINGLE BLUE HYACINTHS

	Each	Doz.	100	1000
E Baron von Thuyl. Deep blue.....	\$0.07	\$0.70	\$5.00	\$45.00
M Blue Mourant. Deep blue.....	.07	.70	5.00	45.00
L Chas. Dickens. Porcelain.....	.07	.70	5.00	45.00
M Czar Peter. Porcelain.....	.08	.80	5.50	50.00
M Enchantress. Porcelain blue.....	.08	.80	5.50	50.00
M Grand Maitre. Bright.....	.07	.70	5.00	45.00
M Ivanhoe. Deep purple.....	.08	.80	5.50	50.00
L King of the Blues. Bright.....	.07	.70	5.00	45.00
E Leonidas. Light .....	.07	.70	5.00	45.00
M Schotel. Pale blue .....	.07	.70	5.00	45.00

## SINGLE PINK HYACINTHS

E Baron von Thuyl. Light rose.....	.07	.70	5.00	45.00
E Cardinal Wiseman. Rosy pink.....	.07	.70	5.00	45.00
M Chas. Dickens. Light, large spike...	.07	.70	5.00	45.00
M Gertrude. Deep pink.....	.07	.70	5.00	45.00
E Gigantea. Light .....	.07	.70	5.00	45.00
E Marie Cornelia. Rose, fine variety...	.07	.70	5.00	45.00
M Moreno. Deep pink.....	.07	.70	5.00	45.00
M Jacques. Pale pink.....	.07	.70	5.00	45.00
E Rosea Maxima. Salmon pink.....	.07	.70	5.00	45.00

Single bulbs mailed free. Parcel Post Weight, per doz., 2 lbs.

## SPECIAL OFFER OF NAMED BEDDING HYACINTHS

To popularize these bedding bulbs, we offer in our selection of varieties with your choice of color **delivered free within 100 miles of Philadelphia.** Refer to page 6 when ordering.

25 Named Hyacinths....	\$1.20	50 Named Hyacinths....	\$2.40
100 Named Hyacinths....	4.75	250 Named Hyacinths....	11.50
500 Named Hyacinths....	21.75	1000 Named Hyacinths....	42.50

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates

(hn)





A Spring flower-effect in the Italian gardens of the late Mr. P. A. B. Widener, "Lynnewood Hall," Ogontz, Pa., planted with Michell's Bulbs

## MICHELL'S CHOICE BEDDING HYACINTHS UNNAMED SORTS

In the following hyacinths we offer something very choice either for bedding or for pot culture. Where bedding of hyacinths is to be done in large quantity we can particularly recommend them on account of their low cost, the length of time they remain in flower, and because of their handsome effect. Parcel Post Weight, 2 lbs. per doz.; per 100, 12 lbs.



Michell's Monster White Roman Hyacinths

### SINGLE VARIETIES

	Each	Doz.	100	1000
Red. All shades, including pink.	\$0.05	\$0.45	\$3.25	\$27.50
White. All shades of white.....	.05	.45	3.25	27.50
Blue. All shades .....	.05	.45	3.25	27.50
Yellow. All shades .....	.05	.45	3.25	27.50
Pink .....	.05	.45	3.25	27.50
Dark Red .....	.05	.45	3.25	27.50
Pure White .....	.05	.45	3.25	27.50
Blush White .....	.05	.45	3.25	27.50
Light Blue .....	.05	.45	3.25	27.50
Dark Blue and Purple .....	.05	.45	3.25	27.50
Mixed. All colors .....	.04	.40	3.00	26.00

### DOUBLE VARIETIES

Red. All shades, including pink.	.05	.45	3.25	27.50
Pink .....	.05	.45	3.25	27.50
Pure White .....	.05	.45	3.25	27.50
Blue. All Shades .....	.05	.45	3.25	27.50
Yellow .....	.05	.45	3.25	27.50
Mixed. All colors .....	.04	.40	3.00	26.00

### ROMAN HYACINTHS

French Roman Hyacinths afford a continuous supply of bloom from early winter until late in spring if planted in succession (two weeks apart). They are very fragrant. The blooms are suitable for most any kind of cut-flower work; they also look very attractive if planted in boxes or pots and used for window decoration. They are not hardy, consequently will not do for outdoor planting.

	Each	Doz.	100	1000
White. Selected size, 11 to 12 ctm.	\$0.05	\$0.50	\$3.25	\$30.00
" Extra select size, 12 to 15 ctm. ....	.06	.65	4.50	40.00
" Mammoth, 13 to 15 ctm. ....	.08	.85	6.00	55.00
" Monster, 15 ctm. and over. ....	.10	1.00	7.00	65.00
Light Pink .....	.06	.60	4.50	40.00
Dark Pink .....	.06	.60	4.50	40.00
Blue .....	.06	.60	4.50	40.00
Italian. Late white, large spikes..	.05	.50	3.25	30.00

Parcel Post Weight, 1 lb. per doz.; per 100, 8 lbs.



# MICHELL'S SINGLE EARLY TULIPS FOR FORCING and BEDDING

To assist customers in making selections, we have affixed a figure in front of the varieties denoting the approximate height where grown under same conditions: the comparative blooming time so that such selected. V, means very early; E, means early; L, means late.

also one of the following letters V—E—M—L to indicate sorts as flower together may be easily early; M, means mid-season;



## RED AND SCARLET VARIETIES

Inches High		Doz.	100	1000
10 M	<b>Artus.</b> Bright scarlet, for bedding...	\$0.25	\$1.25	\$10.00
10 M	<b>Belle Alliance.</b> Brilliant scarlet, for either forcing or bedding.....	.30	1.75	16.00
12 M	<b>Couleur de Cardinal.</b> Bronze scarlet, excellent for forcing or bedding.....	.35	2.25	19.00
9 M	<b>Crimson King.</b> Crimson red, good for bedding or forcing.....	.25	1.50	12.00
10 M	<b>Cramoise Brilliant.</b> Fine scarlet, good forcer and a showy bedder.....	.25	1.50	12.00
7 E	<b>Duc v. Tholl, Cochineal.</b> A most brilliant color; for forcing or bedding; very early.....	.35	1.80	16.50
7 V	<b>Duc Van Tholl, Scarlet,</b> for forcing or bedding .....	.25	1.50	12.50
7 V	<b>Duc Van Tholl, Crimson,</b> for forcing or bedding .....	.25	1.60	13.00
13 E	<b>Dusart.</b> Brilliant carmine scarlet; very large; splendid bedder.....	.30	1.80	14.00
14 E	<b>Grace Darling.</b> Very large globular flower with broad petals, fiery scarlet, good for bedding and forcing...	.50	3.00	26.00
12 E	<b>Maas.</b> Rich scarlet, for bedding only, lasting well during warm weather....	.40	2.25	20.00
12 E	<b>Pottebakker.</b> Scarlet for bedding....	.30	1.80	16.00
14 M	<b>Prince of Austria.</b> Orange scarlet, for either forcing or bedding.....	.35	2.00	16.00
13 M	<b>Sir Thomas Lipton.</b> Brilliant crimson, with yellow base; equally good for forcing or bedding.....	.45	3.25	27.50
14 M	<b>Thos. Moore.</b> Apricot orange, fine shaped flower; the best of its color, for either forcing or bedding.....	.25	1.40	12.00
12 M	<b>Vermilion Brilliant.</b> The richest scarlet, for forcing or bedding, very large flower .....	.40	2.25	18.00
	<b>Unnamed Red in all shades.....</b>	.25	1.15	9.00

## PINK VARIETIES

Inches High		Doz.	100	1000
8 M	<b>Cottage Maid.</b> Pink and white, a beautiful combination; one of the grandest for either forcing or bedding	.25	1.50	12.00
7 V	<b>Duc Van Tholl, Pink.</b> For forcing or bedding .....	.30	1.50	12.50
12 M	<b>Flamingo.</b> ( <i>Pink Hawk</i> ). Fine forcer, excellent flower, good keeper.....	.55	3.50	30.00
12 E	<b>Pink Beauty.</b> The most superb and largest pink Tulip in existence; splendid bedder and forcer.....	.55	3.75	32.50
13 E	<b>Princess Wilhelmina.</b> Brilliant deep rose blushed white on the outer petals .....	.35	2.00	17.00
13 E	<b>Proserpine.</b> Glossy pink, very large, forces early, excellent for bedding..	.45	3.00	25.00
12 E	<b>Pres. Cleveland.</b> Rich, brilliant shade; one of the finest.....	1.75	12.50	100.00
14 E	<b>Queen of the Netherlands.</b> Soft pink, fine for forcing .....	.30	2.00	17.50
11 M	<b>Rose Grisdelin.</b> Delicate rose, flushed white, for forcing or bedding; our stock is excellent.....	.20	1.25	10.00
11 M	<b>Rose Luisante.</b> Brilliant deep pink, large flower for forcing and bedding	.40	2.50	20.00
11 M	<b>Rosa Mundi.</b> Rose pink, flushed white, for bedding.....	.25	1.25	10.00
	<b>Unnamed Pink in all shades.....</b>	.25	1.15	9.00

If wanted per Parcel Post, please add postage as per Zone rate. Weight of Single Early Tulips, packed, 1 lb. per dozen; per 100, 5 lbs.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates

(hn)



# MICHELL'S SINGLE EARLY TULIPS FOR FORCING and BEDDING

The figure in front of variety denotes height, the letters signify as follows: V very early, E early, M mid-season, L late.



Early Single Tulip "Joost Van Vondel." White

Inches  
High

## WHITE VARIETIES

7 V	Duc Van Tholl ( <i>Maximus</i> ). White, fine forcer	Doz.	100	1000
		\$0.25	\$1.50	\$12.50
9 E	Joost Van Vondel, White ( <i>Lady Bo-reel</i> ). A real exhibition variety; has no superior for either forcing or bedding	.50	3.00	26.00
12 M	La Reine. Pure white, fine for forcing, at times it shows a delicate shade of pink	.25	1.25	10.00
10 E	L'Immaculee. Pure white, early, for bedding	.25	1.25	11.00
12 E	Pottebakker White. Pure white, for bedding	.35	2.00	18.50
10 M	White Hawk ( <i>Albion</i> ). Pure white, one of the best forcing and bedding sorts; when forced slowly the bloom is of tremendous size and substance.	.40	2.25	20.00
	Unnamed White Varieties	.25	1.15	9.50

## VARIEGATED OR TWO COLORED VARIETIES

7	Duc. v. Tholl, Red and Yellow. Fine for forcing or bedding	Doz.	100	1000
		\$0.25	\$1.50	\$13.50
13 M	Duchesse de Parma. Orange scarlet, suffused yellow edge; for bedding	.25	1.50	13.00
12 E	Joost Van Vondel. Glossy red, striped white, bedding	.35	2.00	17.00
15 M	Kaiserkrone. Brilliant red with distinct wide golden border; one of the finest tulips in existence; the peer of its color; for either forcing or bedding	.35	2.00	17.50

## TESTIMONIAL ON MICHELL'S BULBS

Department of Public Works,  
City Hall, Phila.

I take this opportunity of commending your firm on the superior quality of bulbs furnished to the city last fall. The effect secured during the past spring has been satisfactory in every way.

R. POND,  
Landscape Gardener.

## YELLOW VARIETIES

12 M	Chrysolora. Golden yellow, for bedding; this is one of the best; large flower	Doz.	100	1000
		\$0.25	\$1.50	\$12.50
7 V	Duc Van Tholl. Yellow. For forcing and bedding	.35	2.00	16.00
12 E	Gold Finch. Sweet scented, golden yellow, forces early; flower a good keeper	.25	1.50	12.50
13 E	Mon Tresor. Golden yellow, large flower; one of the best for forcing or bedding	.30	1.80	16.00
12 E	Ophir d'Or. Golden yellow; fine bedder; enormous flower	.30	1.80	16.00
12 E	Pottebakker Yellow. For bedding only	.30	1.75	15.00
14 M	Rising Sun. Deep golden yellow; one of the largest early Tulips; very long stem. Fine for forcing or bedding	1.75	12.50	100.00
10 M	Yellow Prince. Golden yellow; fine forcer	.25	1.50	12.50
	Unnamed, all Shades of Yellow	.25	1.15	9.00

## VIOLET OR BLUE VARIETIES

12 M	Wouerman. Purple violet, for bedding	.50	3.25	28.00
------	--------------------------------------	-----	------	-------

## SINGLE UNNAMED TULIPS (For Bedding only)

These make a fine effect where a solid color is desired, and their cost is not so much as the named varieties, although the colors are made up from the named sorts.

	Doz.	100	1000
Pink in all shades	\$0.25	\$1.15	\$9.00
Red in all shades	.25	1.15	9.00
White in all shades	.25	1.15	9.00
Yellow in all shades	.25	1.15	9.00

## SINGLE EARLY TULIPS IN MIXTURE

Our mixtures of Tulips have long been noted for their brilliancy, proper blending and variety of color. We use only the largest flowering named sorts, and our customers may depend on getting something extraordinary.

	Doz.	100	1000
Fine Quality, all colors	\$0.15	\$1.00	\$8.50
Superfine Quality, all colors	.20	1.25	10.00



Early Single Show Tulip, "Pink Beauty" (See page 8)



# MICHELL'S MAY FLOWERING DARWIN TULIPS

The illustration on the front cover of this catalogue can give only a faint idea of the beauty of the Darwin Tulips. They form a distinct class, and one can easily distinguish them from other varieties by the cup-shaped flowers and their robust growth. The shades run in **white, blue, pink, red and dark maroon**, but **never yellow**. With their tall stems, often two feet and longer, and their bright-colored flowers, they form exquisite material for garden and table decorations.

Note the special low prices this year.



A combination of Darwin Tulips intermingled with plantings of Hardy English Daisy, Pansies, Violas or Forget-Me-Nots, makes a cheerful Spring show

For massing, bedding or border planting the Darwins are hard to equal. They bloom at a season when early bulbous flowers have gone and before the majority of spring perennials and shrubbery come into bloom.

The varieties marked with an asterisk (\*) are adapted for forcing, in which case they require a rich soil and only a moderate heat. They will not stand forcing when handled like early varieties of tulips.

Please note that there are no yellow-colored Darwins. This color, however, may be easily selected from the list of Cottage Garden Tulips. (See page 12.)

The varieties we offer are a selection of the most beautiful shades and colors which will give the greatest satisfaction. The figures in front of the variety denote the approximate height in inches when in bloom outdoors.

\*26 **Baronne de la Tonnaye**. Vivid rose. One of the most beautiful varieties. The flowers are large, well formed and keep their brightness to the last. The best bedding variety in cultivation, but also a splendid forcer. 40c. per doz.; per 100, \$2.40; \$20.00 per 1000.

\*20 **Clara Butt**. Delicate salmon pink. Its perfect shape and lovely color make it a real beauty. It is a good bedder and a splendid forcer. 35c. per doz.; per 100, \$2.25; \$17.50 per 1000.

26 **Dream**. This is a beautiful shade of lilac. The flower is gigantic and this variety is one that should be included in every collection of Darwin Tulips. A very distinct and handsome Tulip of large size and shapely form. Superb for borders. This variety attracted great admiration in our annual Tulip show last spring. Per doz., 50c.; \$3.25 per 100; per 1000, \$25.00.

\*22 **Europe**. Brilliant red, with white, showy centre. One of the showiest bedders and a good forcer. 45c. per doz.; per 100, \$3.00; \$25.00 per 1000.

\*24 **Mr. Farncombe Sanders**. Brilliant scarlet, with a white centre. Giant flowering. One of the showiest of all Darwins. Good forcer. 45c. per doz.; per 100, \$3.50; \$27.50 per 1000.

23 **Glow**. Scarlet, margined white, blue centre. 45c. per doz.; per 100, \$3.00; \$25.00 per 1000.

28 **Madame Krelage**. Bright lilac rose, margined pale silvery pink, inside is a soft rose pink, very large flower of beautiful form. Per doz., 45c.; \$3.00 per 100; per 1000, \$25.00.

## TESTIMONIAL

*The Bulbs bought from you last fall proved magnificent specimens.*  
Smith Mill, Pa.  
MRS WM. H. EDWARDS.

## TESTIMONIAL

Hicksville, Ohio.  
Enclosed find order for bulbs. I have always found everything I got from you first-class and have received the very best treatment from you. You will be sure to get all my orders for anything I need in your line.

CHAS. SIEBERT.

Parcel Post Weight of Darwin Tulips. 1 lb. per dozen; per 100, 5 lbs.

(hn)



# MICHELL'S MAY-FLOWERING DARWIN TULIPS 11

\*20 **Gretchen.** A most attractive variety of a soft salmon-rose color. Splendid for cutting. Good bedder and excellent forcer. 30c. per doz.; per 100, \$2.00; \$17.50 per 1000.

\*28 **Harry Veitch.** Crimson violet, with white centre. An early forcer. 35c. per doz.; per 100, \$2.25; \$20.00 per 1000.

24 **Kate Greenaway.** White, spotted lilac. Strong, stiff stems, holding the flower erect, make it one of the best bedders. 40c. per doz.; per 100, \$2.50; \$22.50 per 1000.

26 **May Queen.** Soft rose. Very large flower. Splendid bedding variety. 40c. per doz.; per 100, \$2.25; \$20.00 per 1000.

22 **Nora Ware.** Dainty silvery lilac, shaded bronze; white base. Flowers are very large, on stiff stems, making it an ideal variety for cutting. 45c. per doz.; per 100, \$3.00; \$27.50 per 1000.

\*24 **Pride of Haarlem.** Brilliant rosy carmine. This is one of the most popular varieties of Darwin. The size of the flowers is immense, having usually more than six petals, giving them the appearance of Double Tulips. Excellent forcer. 45c. per doz.; per 100, \$2.75; \$25.00 per 1000.

\*20 **Rev. H. Ewbank.** Light heliotrope. Rather dwarf variety; a splendid bedder. For forcing we recommend this variety very strongly, as it stands forcing splendidly and produces large flowers of a very pleasing color. 50c. per doz.; per 100, \$3.25; \$30.00 per 1000.

24 **Sultan.** Very dark maroon, almost black. Undoubtedly the best of the dark varieties. The strong stems hold the flowers erect and make it an excellent bedder. 35c. per doz.; per 100, \$2.00; \$17.50 per 1000.

22 **White Queen.** Can be called the only white Darwin. It opens rosy white, but passes off pure white. One of the most popular varieties. 45c. per doz.; per 100, \$3.00; \$25.00 per 1000.

24 **William Pitt.** Brilliant carmine. One of the largest and grandest of the Darwins. Its perfect shape and lovely color rival with each other to make it a real beauty. 50c. per doz.; per 100, \$3.75; \$30.00 per 1000.

**Darwin mixed, all colors.** A great variety of all colors and shades. 30c. per doz.; per 100, \$1.75; \$14.00 per 1000.



Plantings of Darwin Tulips at "Coolkenney," Haverford, Pa., the Country Estate of the late Thos. P. Hunter, Esq.

## TESTIMONIAL ON MICHELL'S TULIPS

*Bolton, S. C.*

*We bought Bulbs from you last year and we were well pleased with them. We would like to have you quote us on the following for September delivery.*

*FRIERSON'S.*

## TESTIMONIAL FROM CHINA

*Dairen, Manchuria.*

*I beg to inform you that the Bulbs which I ordered from you arrived this morning per parcel post. They reached me in splendid condition, and I offer you my best thanks.*

*F. OYAMA.*

Parcel Post Weight of Darwin Tulips. 1 lb. per dozen; per 100, 5 lbs.



# 12 **Michell's Cottage Garden, Late, or May Tulips**

Nothing in horticulture has received so much comment in late years as the late flowering tulips. A few years ago where only hundreds were sold, the demand has now grown to hundreds of thousands. They well deserve the popularity they have gained, for no other of the spring flowering bulbs can approach them for brilliancy, beauty and usefulness. For planting in beds, massing the perennial border or planting in clumps they are ideal. The very long stems make it possible to use them in most any kind of floral decoration; the flowers are shapely and many are very fragrant. The mixed types are desirable, yet we recommend the planting of named sorts if extra fine shows are wanted. (*All Single except where noted.*)

- 14 **Blue Flag** (*Double*). A very pretty shade of violet blue, very odd, and should be included in every collection. 6c. each; per doz., 60c.; \$4.00 per 100; per 1000, \$35.00.
- 18 **Bouton d'Or** (*Golden Beauty or Ida*). Color, a beautiful golden yellow; handsome perfect flower; grand for cutting. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.50.
- 20 **Caledonia**. A lovely shade of bright orange scarlet; massive erect flowers are produced on long stems. It is a variety that should be planted very extensively, an extra fine sort for cutting. 4c. each; doz., 35c.; \$2.25 per 100; per 1000, \$17.50.
- 24 **Gesneriana Lutea**. This planted in connection with *Gesneriana Spathulata* makes a gorgeous combination, in fact, few other late tulips bed together as well as these. The rich canary yellow flowers hold their color for a long while; for cutting it is equally valuable. 4c. each; doz., 35c.; \$2.25 for 100; per 1000, \$20.00.
- 24 **Gesneriana Spathulata**. A brilliant scarlet, with blue-black centre. This is one of the finest late tulips in existence. 3c. each; per doz., 30c.; \$1.75 per 100; per 1000, \$15.00.
- 24 **Gesneriana Rosea**. Very similar in character and growth to the above; the color, however, is a rich brilliant pink. 3c. each; per doz., 30c.; \$1.75 per 100; per 1000, \$15.00.
- 16 **Golden Crown**. Flower very large, of a pure yellow color, with a narrow border of red, excellent for bedding or cutting. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.00.
- 24 **Inglescombe Pink**. A beautiful salmon rose, surpassing for brilliancy and stateliness anything in the cottage garden tulip line. Flowers are oval shaped like an egg; for promiscuous planting in borders this is one of the finest. If placed in a moderate heat this variety will force. 4c. each; doz., 35c.; \$2.25 per 100; per 1000, \$20.00.
- 24 **Inglescombe Scarlet**. Brilliant vermilion, with black centre, excellent for cutting. 5c. each; doz., 45c.; \$3.00 per 100; per 1000, \$25.00.
- 20 **Inglescombe Yellow**. A globular shaped rich golden yellow flower, a variety that resembles the Darwins; in fact, it is the only yellow tulip that can be massed with the latter in such a manner that it will not attract attention of its being another type. 6c. each; doz., 60c.; \$4.00 per 100; per 1000, \$35.00.
- 20 **La Merveille**. Beautiful orange red. Each, 4c.; 30c. per doz.; per 100, \$1.75; \$14.00 per 1000.
- 20 **Moonlight**. An exquisite shade of light canary yellow, with a long pointed flower on tall graceful stems; it keeps remarkably long in water as a cut flower; it can be forced in moderate heat. 60c. doz.; per 100, \$4.00; \$32.50 per 1000.
- 20 **Picotée** (*Maiden's Blush*). Color, white with a distinct rosy border; the finest late tulip. 4c. each; doz., 30c.; \$1.60 per 100; per 1000, \$14.00.
- 12 **Royal White**. Flower is very large, of oblong form of purest white, while the centre is light yellow. This is without doubt the best of the late whites which will force indoors in slow, gradual heat. 5c. each; doz., 50c.; \$3.25 per 100; per 1000, \$27.50.

**Note**—If by Parcel Post, add postage at Zone Rates. Weight of Late Tulips, 1 lb. per doz.; 100, 5 lbs. Single Bulbs mailed free.

- 20 **Rosalind**. A bright cherry pink, pure white at base. 3c. each; 30c. per doz.; per 100, \$1.75; \$15.00 per 1000.
- 12 **Sarah Bernhardt** (*Hobbema or Le Reve*). Exquisite soft rose shaded apricot; a delightful combination. 7c. each; doz., 75c.; \$4.75 per 100; per 1000, \$42.50.
- 20 **Shandon Bells** (*Blushing Bride or Isabella*). A beautiful carmine, shaded creamy white, a very pretty contrast. 3c. each; per doz., 30c.; \$1.75 per 100; per 1000, \$14.00.
- 20 **Striped Beauty** (*Summer Beauty*). Rose flaked crimson and white, a large and showy flower. 5c. each; per doz., 50c.; per 100, \$3.25; \$27.50 per 1000.



Late Tulip Picotée

## **LATE TULIPS IN MIXTURES**

(*All single except where noted*)

- Bizarres**. A peculiar combination of colors, principally yellow ground with markings and stripings of red, white and orange. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.50.
- Bybloemen**. A wide range of shadings and combinations of white, scarlet, pink and crimson. 3c. each; per doz., 25c.; \$1.50 per 100; \$12.50 per 1000.
- Darwin's**. A most interesting class, covering a wide range of colors. 3c. each; per doz., 30c.; \$1.75 per 100; per 1000, \$14.00.
- Double Superfine Mixed** In all colors. Many prefer the double tulips as they last longer than the single sorts. 3c. each; per doz., 25c.; \$1.25 per 100; per 1000, \$11.00.
- Single Superfine Late Mixed**. We can recommend these highly for planting in places where a fine show is desired. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.00.



## DUTCH BREEDER TULIPS

This old-fashioned type has come into prominence very much of late years. They are the race from which practically all other late tulips originated. The colors run principally in the purple, maroon and terra cotta shades; they are gigantic in size and of vigorous growth. The shades of color are really distinct from all other classes, being exceptionally refined. They make a fine effect in hardy borders, and when used as a cut flower last a long while in water. If you want something exceptionally fine in your garden, plant some of these varieties. Breeder tulips cannot be forced.

		Each	Doz.	100	1000
25	<b>Apricot.</b> Rich brilliant orange...	\$0.08	\$0.85	\$6.00	\$57.50
26	<b>Cardinal Manning.</b> Mauve .....	.06	.50	3.50	30.00
36	<b>Goliath.</b> Combination of rose and amber .....	.06	.50	3.50	30.00
32	<b>Jaune d'Oeuf.</b> Golden apricot ..	.06	.50	3.75	32.50
32	<b>Medea.</b> Red shaded heliotrope...	.06	.50	3.00	27.50
28	<b>Velvet King.</b> Rich purple .....	.12	1.25	7.50	70.00
	<b>Superfine Mixed.</b> All colors ....	.03	.30	2.00	17.50



Rembrandt Tulip Vesta (See opposite column)

### TESTIMONIALS ON MICHELL'S BULBS

SHIREMANSTOWN, PA.

Bulbs I purchased from you last year did splendidly. I hope to order considerably more this coming year.

GEO. H. RUPP.

BAUSMAN, PA.

The bulbs received from you were excellent—could not have asked for anything better. As to your business methods, they are certainly O. K.

CHAS. E. BROOK.



Parrot or Dragon Tulip "Gloriosa"

### PARROT OR DRAGON TULIPS

They are curiously curled and crested. They are fine for bedding and border planting, also useful as a cut flower, keeping well for some time when placed in water. They are very fragrant, and grow about 12 inches high. We offer first size bulbs only in Parrot Tulips, which will bloom; many bulbs offered at low prices will not flower.

**Constantinople.** Orange scarlet, with black markings in centre.

**Gloriosa.** A very showy orange and red sort, petal very broad.

**Lutea Major.** Very large, bright yellow.

**Markgraaf of Baden.** Large yellow, striped scarlet and green.

**Preciosa.** Scarlet, slightly striped yellow.

Price of any of the above-named Parrot Tulips, 3c. each; 30c. doz.; per 100, \$1.75; \$15.00 per 1000.

**Mixed** in all colors. This mixture is carefully blended and contains only the choicest sorts. Each, 3c.; doz., 25c.; \$1.35 per 100; per 1000, \$11.00.

### REMBRANDT TULIPS

This type comprises a strain of variegated Darwin tulips frequently referred to as broken Darwin or Rembrandt varieties. They resemble the former with the exception of variation as to colors. Any one who wants something real extraordinary in tulips will appreciate these. Our list is made up of the better kinds, although there are many of them. Rembrandt tulips cannot be forced.

	Each	Doz.	100	1000
<b>Apollo.</b> Lilac, white and carmine...	\$0.04	\$0.35	\$2.25	\$20.00
<b>Hebe.</b> Lilac, white and brown....	.05	.50	3.25	30.00
<b>Fleur de Marie.</b> Deep rose pink....	.07	.70	4.50	42.50
<b>Julienne.</b> Rose and white.....	.06	.60	4.00	35.00
<b>Quasimodo.</b> Red and white .....	.05	.50	3.00	27.50
<b>Red Prince.</b> Rich and red .....	.07	.60	4.00	35.00
<b>Vesta.</b> Carmine and white .....	.05	.50	3.00	27.50
<b>Zenobia.</b> White, lilac and maroon...	.05	.50	3.50	30.00
<b>Superfine Mixed.</b> All varieties .....	.04	.35	2.00	17.50

**Notice**—If wanted by mail, add postage at zone rates. Weight, per doz., 1 lb.; 5 lbs. per 100. Single bulbs mailed free.



# MICHELL'S EARLY DOUBLE TULIPS

Double Tulips have massive flowers of brilliant and varied colors and the flowers last much longer in bloom than the single varieties. Double Tulips are beautifully adapted for beds on the lawn, in the garden, or for planting in clumps of a dozen or more among shrubbery. They should not be planted in beds with Single Tulips, as they do not bloom as early as the single sorts. Double Tulips are also used extensively for forcing. The number prefixed before the variety denotes the approximate height in inches.

- 8 **Cochineal.** Brilliant scarlet; splendid bedder and forcer. 4c. each; doz., 40c.; \$2.25 per 100; per 1000, \$18.50.
- 10 **Couronne d'Or.** Rich yellow; grand forcer. 4c. each; doz., 40c.; \$2.50 per 100; per 1000 \$22.50.
- 10 **Couronne des Roses.** Bright pink; early forcer. 5c. each; doz., 50c.; \$3.00 per 100; per 1000, \$27.50.
- 12 **Golden King.** Soft canary yellow, shaded deeper yellow; very large and beautiful flower of superb effect for bedding. \$1.00 doz.; 100, \$6.50.
- 12 **Gloria Solis.** Bright scarlet with deep yellow border; excellent for bedding or forcing. 3c. each; doz., 30c.; \$1.75 per 100; per 1000, \$15.00.
- 11 **Imperator Rubrorum.** Brilliant scarlet; especially adapted to forcing; also fine for bedding. 4c. each; doz., 40c.; \$2.25 per 100; \$19.00 per 1000.
- 10 **La Candeur.** Very large, pure white; for forcing or bedding. 3c. each; doz., 25c.; \$1.60 per 100; per 1000, \$14.00.
- 10 **La Coquette.** Orange, flaked yellow, for forcing or bedding. 4c. each; doz., 40c.; \$2.50 per 100; per 1000, \$20.00.
- 11 **Le Matador.** Dazzling scarlet; for forcing or bedding. 4c. each; doz., 40c.; \$2.50 per 100; per 1000, \$22.50.
- 14 **Lucretia.** Deep rose; splendid forcer. 5c. each; doz., 45c.; \$2.50 per 100; per 1000, \$20.00.
- 10 **Murillo.** Superb blush white, turning to beautiful pink; one of the best forcers. 4c. each; doz., 35c.; \$2.00 per 100; per 1000, \$17.50.
- 10 **Princess Beatrice.** Delicate pink; flushed white. 4c. each; doz., 35c.; 100, \$2.00; per 1000, \$15.00.
- 12 **Rose de la Montagne.** White, flushed pink; fine for pots and forcing; semi-double. 4c. each; doz., 35c.; \$1.75 per 100; per 1000, \$14.00.
- 8 **Rose Blanche.** Pure white; for bedding or forcing. 3c. each; doz., 30c.; \$1.25 per 100; per 1000, \$11.50.
- 10 **Rubra Maxima.** Dazzling scarlet; good bedder and splendid early forcer. 4c. each; doz., 35c.; \$2.00 per 100; per 1000, \$17.50.



Double Tulip—Couronne d'Or

- 11 **Salvator Rosa.** Beautiful deep rose; suitable for either forcing or bedding. 4c. each; doz., 30c.; \$2.00 per 100; per 1000, \$17.00.
- 10 **Tea Rose.** Salmon yellow; exquisite. 6c. each; doz., 50c.; \$3.25 per 100; per 1000, \$30.00.
- 11 **Titian.** Red with a yellow border; good for bedding but not for early forcing. 3c. each; doz., 30c.; \$2.00 per 100; per 1000, \$17.50.
- 10 **Toreador (New).** A handsome rich orange; a grand forcing variety. 6c. each; doz., 50c.; \$3.75 per 100; per 1000, \$32.50.
- 10 **Tournesol, Red and Yellow.** For forcing and bedding. 4c. each; doz., 40c.; \$2.50 per 100; per 1000, \$22.50.
- 10 **Tournesol.** Pure deep yellow; forces readily. 4c. each; doz., 35c.; \$2.25 per 100; per 1000, \$20.00.
- 11 **Vuurbaak (Beacon Light).** Magnificent large flowers, brilliant scarlet; splendid for forcing or bedding. 40c. doz.; per 100, \$2.25; \$20.00 per 1000.
- 10 **Yellow Rose.** Deep yellow; late flowering. Good for bedding, but not for forcing. 3c. each; doz., 25c.; \$1.50 per 100; per 1000, \$12.00.

## DOUBLE UNNAMED TULIPS (Separate Colors)

These are very valuable for solid color bedding where no particular design is to be carried into effect and where expense is considered. Not suitable for forcing.

	Each	Doz.	100	1000
Pink, in all shades .....	\$0.03	\$0.25	\$1.25	\$10.00
Red, in all shades .....	.03	.25	1.25	10.00
White, in all shades .....	.03	.25	1.25	10.00
Yellow, in all shades .....	.03	.25	1.25	10.00

## MICHELL'S EARLY DOUBLE MIXED TULIPS

Carefully blended with the choicest varieties taken from the named sorts, and will produce a grand array of colors.

	Each	Doz.	100	1000
Fine Quality .....	\$0.02	\$0.15	\$0.85	\$7.50
Superfine Quality .....	.03	.20	1.25	10.00
P. P. Wt. of Double Tulips, 1 lb. per doz.; 100 5 lbs.				



Double Tulip—Tournesol Red and Yellow

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates





## MICHELL'S "GIANT NAMED" CROCUS

# MICHELL'S SPRING FLOWERING CROCUS, Etc.

With the introduction of the newer improved Giant Named Crocus this flower has gained untold favor; for it is not only used as in olden days a decoration for lawns, but occupies a place as prominent as tulips; it is most effective in clumps of one color among shrubberies, in borders or garden beds. In lawns planted in the grass the Crocus is extremely effective. They are easily planted in the turf with the aid of a dibble, especially after rains have made the sod moist. The flowers are gone before the lawn requires mowing, so they do not interfere with the summer beauty of the lawn. The Giant flowering named varieties are splendid for flowering in pots, and may also be successfully grown in bowls of water, with moss, fibre or pebbles.

### GIANT NAMED VARIETIES

The bulbs of these varieties are very large and each bulb is capable of producing several flowers. In size of flowers and coloring they are a great improvement on the older sorts.

	Doz.	100	1000
Baron von Brunow. Deep blue.....	\$0.15	\$1.00	\$8.50
Cloth of Gold. Rich yellow, brown veins....	.15	.90	8.00
Cloth of Silver. Silvery white, striped lilac...	.15	.90	8.00
Mont Blanc. Pure white.....	.15	.90	8.00
Purpurea Grandiflora. Fine purple.....	.15	1.00	8.50
Queen Victoria. Pure white.....	.15	.90	8.00
Sir Walter Scott. White, striped purple.....	.15	.90	8.00
Giant Named Mixed.....	.15	.90	8.00

### MIXED CROCUS IN SEPARATE COLORS

Our bulbs of mixed Crocus are all of the largest size and should not be confounded with the cheap mixtures which are frequently offered.

	Doz.	100	1000
Blue and Purple.....	\$0.12	\$0.60	\$5.50
Striped .....	.12	.60	5.50
White .....	.12	.60	5.50
Yellow. First size.....	.12	.60	5.50
Yellow. Mammoth size.....	.20	1.00	8.00
Yellow. Giant size.....	.25	1.35	12.00
Mixed. All colors.....	.10	.55	5.00

Dozen lots of Crocus mailed free. Weight, per 100, 2 lbs.

### AUTUMN FLOWERING—CROCUS AND COLCHICUM

Effective, hardy bulbous plants, which flower in the autumn without foliage, the latter appearing the following spring. Very desirable, especially for hillsides and terraces. They can be put to splendid use either in clumps in the hardy border, or between shrubs, or for naturalizing in fields, woods or meadows. The latter spots are their natural home.

As a house plant they are a curio. For this purpose they must be placed in shallow saucers near a sunny window. As if by magic over night the flowers peep through the top, first white, and then gradually changing to lavender. Plant early.

	Doz.	100	1000
Sativus ( <i>Saffron Crocus</i> ). Purplish blue....	\$0.25	\$1.50	\$12.50
Speciosus. Bright lavender, orange anthers.	.20	1.25	10.00
Colchicum Autumnale Major ( <i>Meadow Saffron</i> ). Purplish rose; 6 inches high; extra large bulbs .....	.60	4.00	32.50



# MICHELL'S SUPERB NARCISSUS

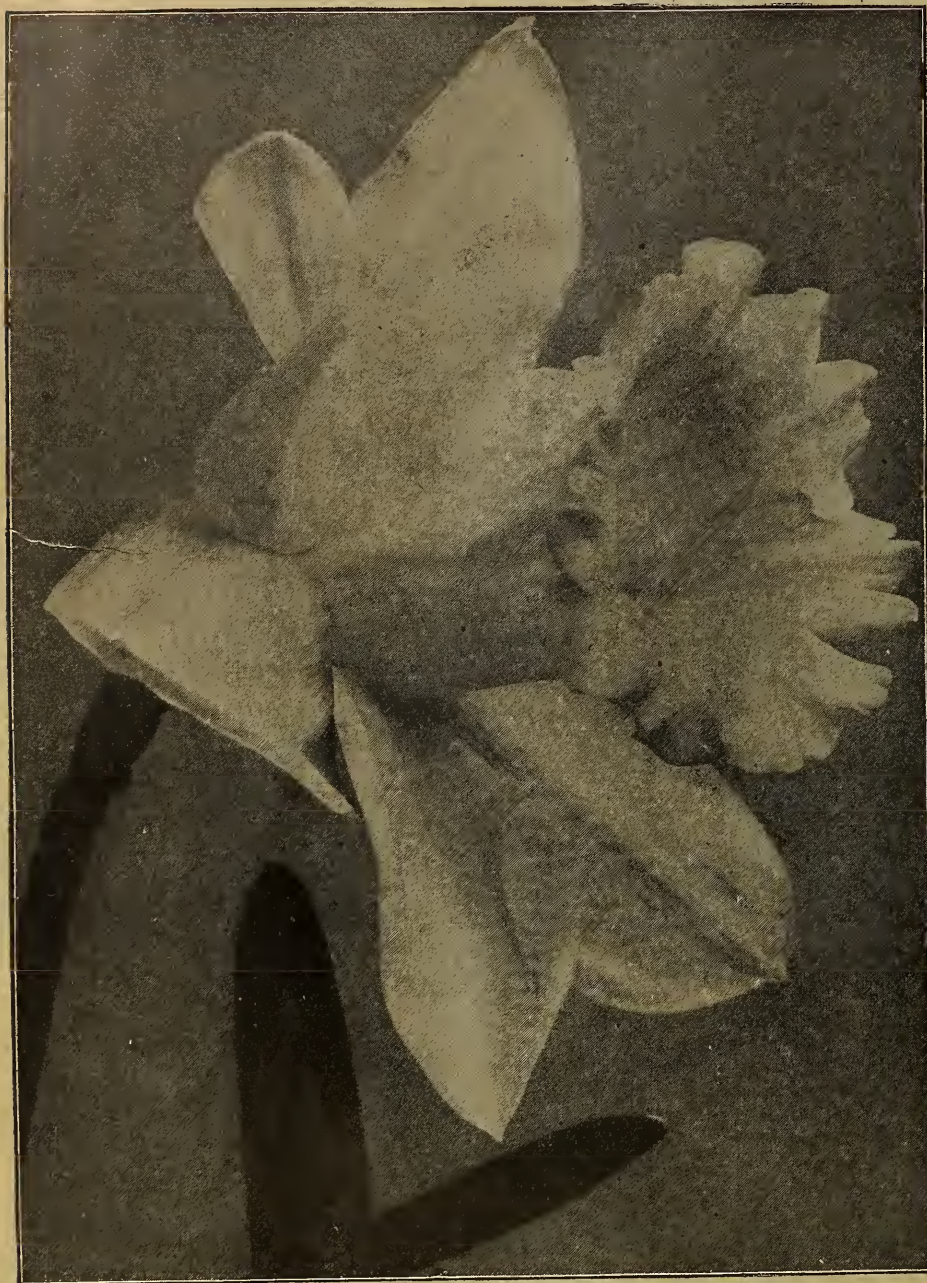
## OR DAFFODILS

**Having gigantic trumpets and massive perianths**

Without the Jonquils or Narcissus no garden is complete, and one must readily concede them the foremost place among bulbous flowers and they really deserve it, for with little care they succeed splendidly in open borders, or naturalized in woodlands, fields or lawns, giving effects unequalled by any flower. Perfectly hardy, they soon establish themselves and with their permanency increase in untold numbers. By using several varieties the flowering period can be extended into weeks. As a house bulb in winter they are indispensable, as their culture is of easiest possible and they never fail. They do not look well as single specimens in a pot, but are desirable if planted several in a pan.

Buyers can easily select their favorite varieties from under the different headings where we have described them.

**Note.**—In describing Narcissus, Daffodils, etc., by “perianth” we mean the flower petals surrounding the cup or funnel; “Trumpets” is a word applied to the centre tube or funnel; “Cup” refers to a short cup-like formation in place of the funnel. To assist customers in making a selection we have affixed the height and time of flowering; the height in inches is denoted by figures; F indicates that a variety is suited for planting indoors for winter blooming.



Narcissus “Emperor”

Height  
in inches

- 12 F **Ard Righ** (*Irish King*). A very showy variety, especially suitable for growing in pans or forcing; trumpet golden yellow, perianth light yellow; very early. 5c. each; doz., 45c.; \$3.00 per 100; per 1000, \$25.00.
- 12 F **Bicolor Grandee**. Immense flowers, white broad perianth, beautiful yellow trumpet with frilled edge; one of the best for garden planting or forcing; very late. 4c. each; doz., 30c.; \$2.00 per 100; per 1000, \$16.00.
- 15 F **Bicolor Princeps**. Golden yellow trumpet, sulphur white perianth, fine for forcing or outdoor planting. 4c. each; doz., 40c.; \$2.50 per 100; per 1000, \$17.50.
- 18 F **Bicolor Victoria**. An enormous flower of tremendous substance, robust habit; trumpet rich golden yellow, beautifully fluted; perianth creamy white, very broad; early.
- |                            |        |        |        |         |
|----------------------------|--------|--------|--------|---------|
|                            | Each   | Doz.   | 100    | 1000    |
| <b>Large Bulbs</b> .....   | \$0.05 | \$0.40 | \$2.75 | \$23.50 |
| <b>Monster Bulbs</b> ..... | .07    | .70    | 4.50   | 40.00   |
- If wanted by Parcel Post, remit at the zone rate.

Height  
in inches

- 18 F **Emperor**. One of the best Narcissus in cultivation, for either outdoor or indoor culture. Entire flower is pure golden yellow. Both perianth and trumpet are very massive; mid-season.
- |                            |        |        |        |         |
|----------------------------|--------|--------|--------|---------|
|                            | Each   | Doz.   | 100    | 1000    |
| <b>Large Bulbs</b> .....   | \$0.05 | \$0.50 | \$2.75 | \$24.00 |
| <b>Monster Bulbs</b> ..... | .07    | .70    | 5.00   | 40.00   |
- 16 F **Emperor**. (French grown). Although not quite as large as the Holland grown, they will flower much earlier. Especially suitable for early forcing. 5c. each; doz., 50c.; \$3.50 per 100; per 1000, \$32.50.
- 18 F **Empress**. This variety tallies exactly with the foregoing sort, except that the perianth is pure white and the trumpet golden yellow, making the flower extremely attractive; mid season.
- |                            |        |        |        |         |
|----------------------------|--------|--------|--------|---------|
|                            | Each   | Doz.   | 100    | 1000    |
| <b>Large Bulbs</b> .....   | \$0.05 | \$0.50 | \$2.75 | \$24.00 |
| <b>Monster Bulbs</b> ..... | .07    | .70    | 5.00   | 40.00   |

Weight, per dozen, 2 lbs.; 12 lbs., per 100.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.

(hu)



MICHELL'S SUPERB NARCISSUS (*Continued*)

## GIANT TRUMPET VARIETIES

BICOLOR  
VICTORIAGLORY of  
LEIDENHeight  
in inches

15 F **Giant Princeps.** A very popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow. 3c. each; doz., 25c.; \$1.50 per 100; per 1000, \$12.00.

14 F **Glory of Leiden.** Immense flowers of majestic appearance; very long, fluted trumpet, rich golden yellow; the perianth petals are very broad, overlapping each other gracefully; this variety deserves first place in any narcissus collection; late. Each, 12c.; \$1.25 per doz.; per 100, \$9.00.

18 F **Golden Spur.** A large striking variety of wonderful robust growth, unusually good for garden culture or forcing, very early and blooms freely; the entire flower is pure golden yellow, from which it derives its name.

	Each	Doz.	100	1000
Large bulbs ( <i>Dutch</i> ).....	\$0.04	\$0.40	\$2.50	\$22.50
Monster Bulbs ( <i>Dutch</i> ) ...	.07	.70	5.00	40.00

**Golden Spur** (*Extra Early Forcing Strain*). Desirable for Christmas and New Year's flowering indoors; large bulbs.

	Each	Doz.	100	1000
Monster Size .....	\$0.07	\$0.70	\$5.00	\$40.00

18 F **Henry Irving.** Perianth and trumpet are pure yellow; this variety is peculiarly adapted for border planting or naturalizing as well as for forcing and bedding for handsome effect; very early. 5c. each; doz., 40c.; \$2.25 per 100; per 1000, \$20.00.

18 **King Alfred.** One of the largest and finest pure yellow Narcissus in cultivation. The gigantic flowers are of intense golden yellow color; the trumpet is large and open with a deeply filled edge. 40c. each; doz., \$3.50; per 100, \$25.00.

16 F **Madame de Graaff.** The best and largest of the pure white trumpet daffodils. When it first comes into flower it shows creamy white, changing to pure white as the flower matures. It is of robust habit and should be included in every collection of narcissus; late. Each, \$15c.; \$1.50 per doz.; per 100, \$10.00.

15 F **Trumpet Major.** One of the best varieties for forcing or outdoor massing; both trumpet and perianth deep golden yellow; very early.

	Each	Doz.	100	1000
Dutch-grown bulbs for out- doors and forcing.....	\$0.03	\$0.25	\$1.50	\$12.00

**Trumpet Major.** (*Christmas Flowering*). French-grown, for early forcing; produces medium-sized flowers with long stems.

	Each	Doz.	100	1000
Mammoth Bulbs .....	\$0.06	\$0.50	\$3.00	\$25.00

12 **William Goldring.** Perianth pure white, trumpet, which is very large, is light canary yellow, a very distinct variety; mid-season. 4c. each; doz., 40c.; \$2.00 per 100; per 1000, \$17.50.

## PREPARED BULB FIBRE

A composition of materials combined in Holland, where it has been extensively used and found to be of great importance in producing fine flowers. The bulbs are potted in this instead of soil. 30c. ½ peck; peck, 50c.; 85c. ½ bushel; bushel, \$1.50. (See page 3 for full information.)



# MICHELL'S SUPERB NARCISSUS

## MEDIUM TRUMPET OR CUP VARIETIES

This class is more extensively used for bedding, naturalizing and border planting than others, largely on account of their low cost and because of the genuine satisfaction they always give for this purpose.



Single Narcissus, "Mrs. Langtry"

Height  
in inches

- 14 F **Albicans** (*White Spanish Daffodil*). Creamy white perianth with a delicate yellow trumpet almost white; blooms early outdoor; suitable for moderate forcing. 5c. each; doz., 40c.; \$2.50 per 100; per 1000, \$22.50.

Height  
in inches

- 20 F **Barrii Conspicuus**. A beautiful flower with large spreading yellow perianth; the crown or cup is orange scarlet; free bloomer; best suited to outdoor culture; can also be forced. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.00.
- 14 **Cynosure**. Primrose yellow perianth, orange shaded cup stained scarlet; this is one of the showiest in its class; a very free bloomer and is fine for cutting; recommended for outdoor planting in herbaceous borders and shrubbery; midseason. 3c. each; doz., 25c.; \$1.35 per 100; \$11.00 per 1000.
- 14 **Figaro**. Graceful form, one of the largest in this class; the lemon yellow perianth is very broad petaled while the light yellow cup is richly shaded orange. This should be planted largely in every hardy border or any other spot where it can give a natural effect; midseason. 3c. each; doz., 25c.; \$1.50 per 100; per 1000, \$12.00.
- 6 F **Bulbocodium** (*Hoop Petticoat*). Flower when perfected resembles a hoop skirt of exquisite golden yellow; the diminutive blooms are exceedingly graceful and decorative, and whether grown in a pan or in clumps in the natural border or in a rockery it is undeniably pretty. The foliage is very small, almost invisible; a clump of these flowers has the appearance of a blaze of gold; late. 5c. each; doz., 45c.; \$2.75 per 100; per 1000, \$25.00.
- 12 **Stella**. One of the earliest varieties to bloom outdoors, for which purpose only it should be planted; tremendously free flowering; blooms are somewhat star-shaped, perianth white with a light yellow cup; fine for cutting; midseason. 3c. each; doz., 25c.; \$1.25 per 100; per 1000, \$10.00.
- 12 F **Leedsii Mrs. Langtry**. This is ideal for massing. Its color is distinct, being entirely pure white, is very attractive on account of its broad perianth; for planting either indoor or out, it always gives satisfaction; late. 3c. each; 20c. doz.; per 100, \$1.25; \$10.00 per 1000.
- 12 **Obvallaris** (*Tenby Daffodil*). Pure golden yellow, very distinct, for outdoor planting only; it is a small cupped variety; late. 4c. each; doz., 35c.; \$2.00 per 100; 1000, \$15.00.
- 20 F **Sir Watkin** (*Giant Chalice Flower*). The flower is probably the largest in its class, measuring often 15 inches across; for moderate forcing as well as bedding on a large scale; it is pleasing and very free flowering; perianth lemon yellow, cup or crown deep yellow; very early. 4c. each; doz., 40c.; \$2.50 per 100; per 1000, \$22.50.

### A BOOK ON DAFFODILS (Narcissus)

The history of this beautiful flower is related therein extensively, the culture complete in detail such as the cultivation in gardens, naturalizing, growing in pots, for house culture in earth and water; the forcing as well as the originating of new varieties are distinguishing features of this instructive book. Price, postpaid, \$1.20.

**SPECIAL OFFER**—For a bulb order amounting to \$20.00 or more and accompanied by remittance we will include this instructive book **FREE**.





**Narcissus Poeticus Ornatus, Naturalized on the Banks of a Stream**

### THE OLD FASHIONED POETS NARCISSUS

This class is noted for its hardiness and freedom of bloom. It is one of the most popular types; used extensively for wild gardening or naturalizing, being so **very inexpensive** that most anyone can afford to plant them by the thousand. They are quite fragrant and are splendid cut flowers. Ornatus and Elvira are used for forcing, the others being best for outdoor planting.

- |   |        |        |        |        |      |                        |        |        |        |        |                     |     |     |      |       |   |
|---|--------|--------|--------|--------|------|------------------------|--------|--------|--------|--------|---------------------|-----|-----|------|-------|---|
| <p>Height<br/>in inches</p> <p>12 <b>Biflorus</b>. Two to three flowers appear on a single stalk; perianth pure white; the crown is soft yellow; it flowers very late and is delightfully sweet scented. Each 3c.; 20c. doz.; per 100, \$1.25; \$10.00 per 1000.</p> <p>12 <b>Burbidgei</b>. This is the earliest variety, bearing pure white flowers, the cup being beautifully fringed and margined red. Each, 3c.; 25c. doz.; per 100, \$1.25; \$10.00 per 1000.</p> <p>15 F <b>King Edward VII (Almira)</b>. An improved type, having magnificent large flowers with broad, round petals, a glistening white, and the yellow cup is edged deep red; a very early flowering variety. 5c. each; doz., 45c.; \$3.00 per 100; per 1000, \$27.50.</p> <p>24 F <b>Poetaz Elvira</b>. This remarkable novelty is the result of a cross between the Pheasant Eye and the Polyanthus Narcissus, combining hardiness with the cluster flowering effect. The blooms which are pure white of remarkable substance and delicate yellow cup never come less than 3 to 4 to a long stem and from 2 to 3 stems are produced from a single bulb. The fragrance is distinct, resembling that of a Gardenia. It forces well and early. Each 4c.; 40c. doz.; per 100, \$2.75; \$25.00 per 1000.</p> <p>12 <b>Poeticus Ornatus</b>. A much improved form of the ordinary Poeticus, producing larger flowers and blooming two weeks earlier; especially adapted for forcing, being a splendid cut flower; midseason.</p> <table border="0" style="margin-left: 20px;"> <tr> <td></td> <td>Each</td> <td>Doz.</td> <td>100</td> <td>1000</td> </tr> <tr> <td>First-size Bulbs .....</td> <td>\$0.03</td> <td>\$0.20</td> <td>\$1.00</td> <td>\$8.50</td> </tr> <tr> <td>Mammoth Bulbs .....</td> <td>.04</td> <td>.25</td> <td>1.50</td> <td>12.00</td> </tr> </table> |        | Each   | Doz.   | 100    | 1000 | First-size Bulbs ..... | \$0.03 | \$0.20 | \$1.00 | \$8.50 | Mammoth Bulbs ..... | .04 | .25 | 1.50 | 12.00 | <p>Height<br/>in inches</p> <p>12 <b>Poeticus (Pheasant's Eye)</b>. The popular narcissus for garden planting; pure white with scarlet edged cup or eye; most effective when planted in clumps on lawns, in woodlands, meadows, on banks of streams and ponds, as well as in the border and herbaceous bed. Very hardy and increase readily in numbers; late. 3c. each; per doz., 20c.; \$1.00 per 100; per 1000, \$7.50.</p> |
|   | Each   | Doz.   | 100    | 1000   |      |                        |        |        |        |        |                     |     |     |      |       |   |
| First-size Bulbs .....  | \$0.03 | \$0.20 | \$1.00 | \$8.50 |      |                        |        |        |        |        |                     |     |     |      |       |   |
| Mammoth Bulbs .....   | .04    | .25    | 1.50   | 12.00  |      |                        |        |        |        |        |                     |     |     |      |       |   |

### HARDY NARCISSUS IN MIXTURE

We import a very large number of these on account of the popular demand. They are a good investment at any time. For massing in borders, fields, woods and, in fact, anywhere, they more than return their cost in the liberal manner in which they flower, producing a wide range of color and variety of bloom. We offer large size bulbs only, which can be depended upon for results the first season.

**Single Varieties.** 25c. per doz.; per 100, \$1.10; \$8.00 per 1000; per 5000, \$40.00.

**Double Varieties.** 25c. per doz.; per 100, \$1.25; \$9.50 per 1000; per 5000, \$45.00.



**POLYANTHUS NARCISSUS**

This class of Narcissus is a most interesting one. They may be grown in water and pebbles like Chinese lilies, but they are equally suited for growing in soil. The flowers are produced in clusters, like the illustration, and they are delightfully fragrant. Not suitable for outdoors. Parcel Post Weight of Polyanthus Narcissus, 2 lbs., per dozen, per 100, 12 lbs.

**Double Roman.** White perianth, with an orange and yellow suffused cup; very free flowering and early. 4c. each; per doz., 35c.; \$1.75 per 100; per 1000, \$15.00.

**Gloriosa.** A very showy type, with white perianth and orange yellow cup; very pretty. 5c. each; per doz., 40c.; \$2.50 per 100; per 1000, \$22.00.

**Grand Monarque.** Large, broad, white perianth with a primrose-yellow cup; a very striking flower. 5c. each; per doz., 40c.; \$2.50 per 100; per 1000, \$20.00.

**Grand Soleil d'Or.** Rich yellow, with deep red cup. For cutting this is a fine variety, as it makes a grand show. 5c. each; per doz., 40c.; \$2.50 per 100; per 1000, \$20.00.

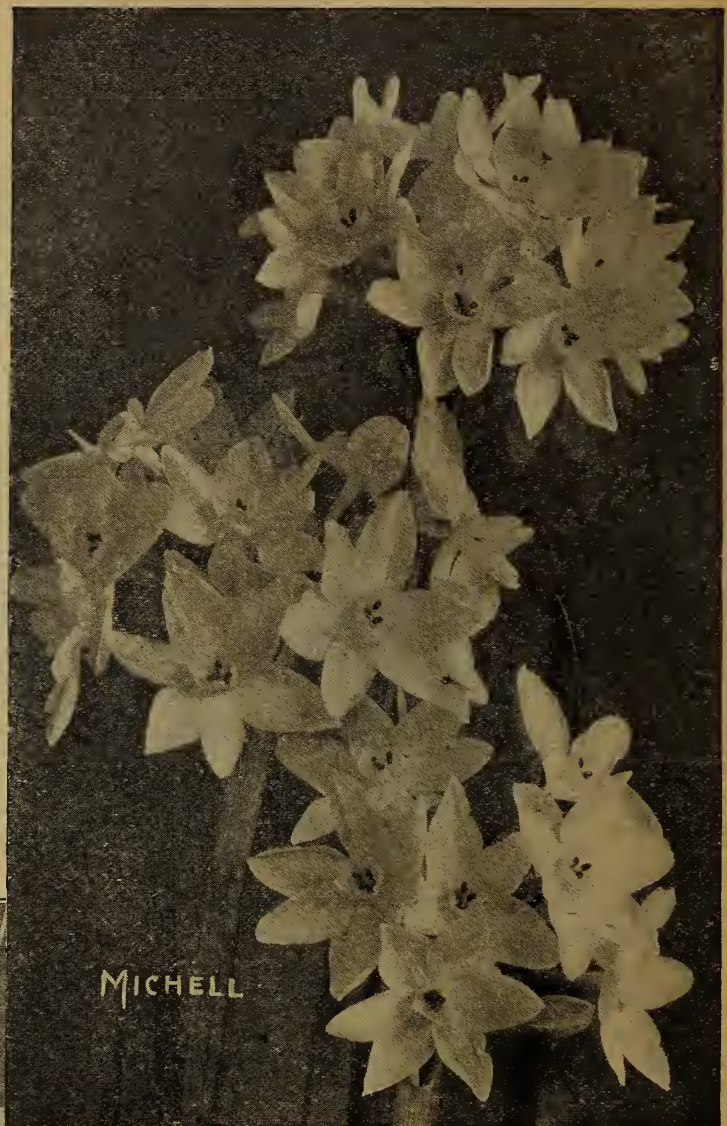
**Paper White Grandiflora, First Size Bulbs.** This is quite a specialty with us; of it alone we import over one million bulbs. It is a pure white flowering sort; used extensively for forcing as it can be brought into bloom in 8 weeks' time; the stems are very long and it is excellent for bunching. 4c. each; per doz., 30c.; \$1.75 per 100; per 1000, \$16.00.

**Paper White Grandiflora, Mammoth Bulbs.** 6c. each; per doz., 50c.; \$2.50 per 100; per 1000, \$22.50.

**Paper White Grandiflora, Giant Bulbs.** 7c. each; doz., 75c.; \$5.00 per 100; per 1000, \$40.00.

**White Pearl.** A large pure white; very exquisite. 5c. each; per doz., 40c.; \$2.50 per 100; per 1000, \$22.50.

**Polyanthus Narcissus, Mixed.** All colors and varieties. 4c. each; per doz., 30c.; \$1.75 per 100; per 1000, \$15.00.



Michell's Giant Narc. P. W. Grandiflora



Michell's Double Jonquils

**SWEET SCENTED JONQUILS**

These delightful little flowers are especially graceful when grown in pans or pots, but do equally well outdoors. The slender foliage stalks enhance a most fragrant flower borne in clusters of 2 to 4.

**Single Jonquils.** Rich yellow, very fragrant, height 12 inches. 2c. each; per doz., 15c.; 80c. per 100; per 1000, \$7.00.

**Double Jonquils.** Flowers very double, deep golden-yellow, height 12 inches. 4c. each; per doz., 35c.; \$2.00 per 100; per 1000, \$17.50.

**Campernelle.** Single yellow; a grand forcer. 2c. each; per doz., 20c.; \$1.00 per 100; per 1000 \$8.00.

**Campernelle Rugulosus.** Single yellow; larger than the plain Campernelle. 3c. each; per doz., 25c.; \$1.25 per 100; per 1000, \$10.00.

Parcel Post Weight of Jonquils, ½ lb. per doz.; per 100, 3 lbs.



## MICHELL'S DOUBLE NARCISSUS OR DAFFODILS AND JONQUILS

The Narcissus or Daffodil is becoming more popular every year. It is hardy in every way and thrives most anywhere. For naturalizing in woods and fields nothing equals it. When once established they multiply rapidly and in a short time cover tremendous areas. Many varieties can also be used for forcing, for which purpose they are highly desirable. Plant in a pan or pot anywhere from 3 to 12 bulbs, according to size of bulb. We offer large bulbs only. *Parcel Post Weight of Double Narcissus*, 1¼ lbs. per dozen; per 100, 10 lbs. *Single bulbs mailed free.*

**Alba Plena Odorata.** A very sweet-scented pure white variety called Double Poets Narcissus; it flowers later than many of the other daffodils, and is not desirable for forcing. It makes a handsome show bedded among perennial plants and shrubbery; height about 15 inches. 3c. each; per doz., 20c.; \$1.20 per 100; \$9.75 per 1000.

**Double Jonquils** (*Sweet Scented*). Pure golden yellow; deliciously fragrant. Clumps of these planted outdoors make a beautiful effect. Indoors they can be brought into flower with ease, when they should be planted in pans containing not less than a dozen bulbs. Height, 12 inches. 4c. each; doz., 35c.; \$2.00 per 100; per 1000, \$17.50.

**Incomparable Double.** On account of the peculiar suffusion of the colors in the flower, this variety is also known as "Butter and Eggs." The color is yellow and orange, and makes an attractive cut bloom. Its greatest value is for outdoor planting, as it does not force so well. Height about 16 inches. 3c. each; per doz., 25c.; \$1.60 per 100; per 1000, \$14.00.

**Orange Phoenix.** A variety similar to the above, except for coloring, which is a light yellow, almost white, with a yellow centre. It is splendid for forcing or pot culture. It is also called "Eggs and Bacon." Height, 16 inches. 4c. each; per doz., 30c.; \$1.75 per 100; per 1000, \$14.50.



**Von Sion** (*Telamonius Plenus*). The true double daffodil. Our stock of these comes from one of the largest daffodil producers in Holland. The color is a pure golden yellow, entirely free from green-tipped flowers, which are often found in cheap grades. For forcing or outdoor planting it has no equal. It should be planted extensively for naturalizing. A bed or clump of these planted outdoors, and intermingled with plantings of Violas, Pansies or English Daisies, make a delightful early spring floral combination.

	Each	Doz.	100	1000
First Size Bulbs .....	\$0.04	\$0.30	\$2.00	\$18.50
Mammoth Size Bulbs .....	.05	.50	3.00	26.00

**Monster Bulbs**, producing three or more flowers per bulb. 8c. each; per doz., 70c.; \$5.00 per 100; per 1000, \$34.00.

**Double Mixed Narcissus.** All shades, varieties and colors. A quantity of these make a handsome investment, and at the low price which they are offered should be planted extensively. Do not force the mixed narcissus. 2c. each; per doz., 20c.; \$1.25 per 100; per 1000, \$10.00.

**Sulphur (or Silver) Phoenix.** Flowers very large, bluish-white; the centre is sulphur colored; excellent for forcing or outdoor planting. Height about 18 inches. 4c. each; per doz., 40c.; \$2.00 per 100; per 1000, \$17.50.



# MICHELL'S HARDY GARDEN LILIES (Ready Early November and in Spring)



## OLD FASHIONED TIGER LILIES

The improved Tiger Lily, one of the hardiest in cultivation, which succeeds and increases in all climates; splendid for naturalizing in groups and around shrubbery. The orange blossoms are heavily spotted maroon and borne in clusters of from 4 to 10 blooms on a straight heavy stalk, often 5 feet in height. Deep purple seed pods form on the axils of the leaves; blooms in July.

**Tigrinum Splendens Simplex.** Mammoth bulbs grown in Japan, 10c. each; doz., \$1.00; \$7.50 per 100.

**Tigrinum Splendens (Flore Pleno).** A double form of the above, retaining its flower longer, otherwise is as above. Mammoth bulbs grown in Japan, 15c. each; doz., \$1.50; \$10.00 per 100.

<b>Brownii.</b> One of the most beautiful Lilies; Each pure white inside, outside brown purple....	\$0.50	Doz. \$5.00	100
<b>Canadense</b> ( <i>Canadian Bellflower Lily</i> ). Bright yellow bell-shaped flowers; petals are spotted black; June and July; 2 feet.....	.10	1.00	\$7.50
<b>Canadense Rubrum.</b> Same as above, crimson with black spots.....	.20	1.75	12.50
<b>Elegans, Painted Chief.</b> Bright flame color. Flowering early June; 2 feet; large open flowers stand upright in clusters.....	.15	1.50	11.00
<b>Elegans, Leonard Joerg.</b> Rich apricot ....	.20	1.75	12.50
<b>Hansoni.</b> Often grows from 3 to 5 feet high, flowers reddish orange 8 to 12 in a cluster..	.50	5.00	40.00
<b>Henryi</b> ( <i>New and Rare</i> ). Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion.....	.60	6.00	
<b>Regale or Myriophyllum</b> ( <i>The Regal Lily</i> ). New introduction from China. Absolutely hardy, but also excellent for forcing. The flowers are white, slightly suffused pink, with a beautiful shade of canary-yellow at the centre. It is delightfully perfumed, reminding one of the Jasmine.....	1.00	10.00	
<b>Superbum</b> ( <i>Turk's Cap Lily</i> ). One of the best lilies, will grow from 3 to 6 feet high and produce from 5 to 45 nodding brilliant orange red flowers on a single stalk during July .....	.15	1.50	10.00
<b>Tenuifolium</b> ( <i>Coral Lily</i> ). Brilliant scarlet, Turk's cap flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; flowers in May.....	.15	1.50	10.00
<b>Umbellatum.</b> A showy, massive lily, flowering in June; the broad, open flowers appear upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet; most effective when planted in clumps.....	.15	1.50	10.00



**Lilium Auratum**



# MICHELL'S HARDY GARDEN LILIES



*Lilium Candidum, (Madonna Lily)*

Hardy Lilies are sometimes grown in pots for indoor blooming, in which case they are handled much like the Bermuda Easter Lily; we recommend, however, they should be grown exclusively outdoors. Wild gardening, a feature becoming popular of late, gives lilies the foremost place. In winter all lilies should have a protection with leaves or manure.

**Auratum** (*Golden Banded Lily from Japan*). A variety planted most extensively; flowers of enormous size, measuring frequently 8 to 12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. The height varies according to location; it prefers a moist, cool, well-drained soil. Flowers in August, delightfully fragrant; a single stem produces on an average from 8 to 15 flowers.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs, 9 to 11 inch circ.....	.20	2.00	15.00
Monster Bulbs, 11 to 13 inch circ.....	.30	3.25	20.00

**Candidum** (sometimes called St. Joseph's, Madonna, or Annunciation Lily). One of the most popular and satisfactory of the American garden lilies. Pure waxy white flowers produced on straight stems bearing anywhere from 10 to 30 blooms of good size and substance; delightfully fragrant. Effective plantings are the result of massing them in clumps or borders. Our bulbs are grown in Northern France, where they have a reputation of growing the finest in the world. To insure absolute success, plant the bulbs as early as possible—September preferred—6 inches deep imbedded in sand and placed on their side; height, 4 feet; blooms in June. (Ready now.)

	Each	Doz.	100
Large Bulbs .....	\$0.12	\$1.25	\$8.00
Mammoth Bulbs .....	.15	1.50	10.00
Monster Bulbs .....	.25	2.50	17.50

**Melpomene** (*Japan*). Rich deep pink, spotted dark red; free blooming and robust in growth; very fragrant; height, 3½ feet; flowers in August.

	Each	Doz.	100
Large bulbs, 8 to 9 inch circ.....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs, 9 to 11 inch circ.....	.25	2.50	17.50
Monster Bulbs, 11 to 13 inch circ.....	.30	3.00	20.00

**Speciosum Album** (*Japan Lily*). The best late flowering pure white hardy garden lily of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stems; height, 4 feet; blooms August and September.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.....	\$0.20	\$2.00	\$15.00
Mammoth Bulbs, 9 to 11 inch circ.....	.30	3.00	17.50

**Speciosum Magnificum** (*Japan*). An enormous flower, rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album"; height, 3 feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs, 9 to 11 inch circ.....	.25	2.50	15.00
Monster Bulbs, 11 to 13 inch circ.....	.30	3.00	20.00
Jumbo Bulbs, 14 inch and over.....	.50	5.00	37.50

**Speciosum Rubrum or Roseum** (*Japan*). Delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height, 3 feet; flowers in August and September.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs, 9 to 11 inch circ.....	.20	2.00	15.00
Monster Bulbs, 11 to 13 inch circ.....	.30	3.00	20.00

*Ready in November, except where noted.*

What garden could be called complete without a fair display of these stately flowers. Their graceful habits, their ability to adapt themselves to special locations and the variety of them to have flowers almost the entire summer makes them very valuable. Their culture is simple, yet a few rules must be strictly observed to make them grow successfully.

All lilies should be planted from 6 to 8 inches deep, the Japanese varieties even 12 inches deep, the bulbs themselves should be completely enveloped in sand; no manure should come in contact with the bulb, but may be placed 4 to 6 inches underneath, all loose petaled bulbs should be planted on their side instead of upright.



# MICHELL'S SUPERB EASTER LILY BULBS FOR INDOOR CULTURE



**Cultural Note**—In order to obtain best results, attention to the following brief directions will assist materially: Upon receiving the bulbs, pot them immediately. Place a handful of well-rotted cow manure in the bottom of the pot and place the bulb directly on top, covering it with soil. After watering, place in an outside pit and protect from the direct rays of the sun; cover well with soil, ashes or any other suitable litter. When thoroughly rooted, bring inside, in a temperature of about 60°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. About two months before Easter they can be brought into a warmer temperature and gradually forced into flower and height at one time. An occasional application of liquid cow manure will stimulate the plant wonderfully. Spray the foliage once a day. Never allow the soil to get very dry, and never feed, unless the soil is moist.

From our experience, which we are sure compares with the experience of growers themselves, we have found that the best results from Easter Lily Bulbs of any variety are obtained when the bulbs are planted in *fresh new soil*. Every batch of Easter Lilies that are potted should be in soil that has never been employed in greenhouse work. You will be surprised to note the difference and the satisfaction that you will get from your Lily Bulbs.

## MICHELL'S "SPECIAL BRAND" HARRISII (True Bermuda Easter Lily)

Noted for freedom from disease, uniformity and free flowering qualities.

Size in Circum.	P. P. Wt. per doz.	Each	Doz.	100
5 to 7 inches	2½ lbs.	\$0.10	\$1.00	\$7.00
6 to 7 "	3 lbs.	.15	1.50	10.00
7 to 9 "	3½ lbs.	.25	2.00	15.00
9 to 11 "	5 lbs.	.50	5.00	30.00
11 to 13 "	7 lbs.	.75	7.50	60.00

## LONGIFLORUM MULTIFLORUM

**Micell's Special Brand** (Ready in October)

This brand must not be compared with lower priced bulbs, as it is a distinct selection.

Size in Circum.	P. P. Wt. per doz.	Each	Doz.	100
6 to 8 inches	2½ lbs.	\$0.08	\$0.80	\$5.50
7 to 9 "	3½ lbs.	.12	1.10	7.50
8 to 10 "	4 lbs.	.18	1.75	10.50
9 to 10 "	5 lbs.	.25	2.00	12.00
Monster Bulbs	7 lbs.	.50	5.00	35.00

## FORMOSUM (The Formosa Easter Lily)

Similar to the **Bermuda Lily**, but blooms earlier.

### Dark Stemmed Type

(Flowering generally in March and April.)

	Weight per doz.	Each	Doz.	100
6 to 8 inches circum.	2½ lbs.	\$0.15	\$1.50	\$8.00
7 to 9 "	3½ lbs.	.20	2.25	13.50
9 to 10 "	5 lbs.	.25	2.50	17.50
10 to 12 "	7 lbs.	.50	5.00	35.00
Monster Bulbs	9 lbs.	1.00	10.00	

### Green Stemmed Type

(Flowering generally in January, February and March.)

	Weight per doz.	Each	Doz.	100
6 to 8 inches circum.	2½ lbs.	\$0.10	\$1.00	\$7.00
7 to 9 "	3½ lbs.	.15	1.50	10.00
9 to 10 "	5 lbs.	.20	2.00	15.00
10 to 12 "	7 lbs.	.40	4.00	30.00
Monster Bulbs	9 lbs.	.75	7.50	

## LONGIFLORUM GIGANTEUM (True)

(Ready in October)

	Weight per doz.	Each	Doz.	100
6 to 8 inches	2½ lbs.	\$0.10	\$1.00	\$7.00
7 to 9 "	3½ lbs.	.15	1.50	9.00
9 to 10 "	5 lbs.	.20	2.00	15.00
Monster Bulbs	10 to 12 ins.	.50	5.00	35.00

If Lilies are wanted by Parcel Post, please add postage at zone rates.



**Cow Manure (Shredded)** One sack of this is equal to one cartload of fresh cow manure, making it possible for everyone to get this usually scarce article at all times. Excellent for mixing with soil when potting bulbs, especially lilies. 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.25; 500 lbs., \$10.00; 1000 lbs., \$16.50; ton, \$32.00.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates

(hn)



# MISCELLANEOUS WINTER AND SPRING BULBS FLOWERING

## ACONITE—Winter (*Eranthis Hyemalis*)

A very early golden yellow flowering bulb blooming with the Snowdrop. The foliage is quite dense and remains after the flower has died down. Aconite should be planted where it is shaded, preferably in a moist location; perfectly hardy. Height, about 6 inches. Dozen and 100 lots mailed free. 3c. each; 20c. per doz.; per 100, \$1.00; \$7.50 per 1000.



Winter Aconite

## ALLIUM

**Neapolitanum.** Used extensively for indoor culture in pots and pans. It is especially adapted to forcing and makes an excellent cut flower; color pure white. Height 12 inches. It may also be planted outdoors among the hardy plants and is very effective in clumps of 25 or more. Dozen and 100 lots mailed free. Each, 2c.; 15c. per doz.; per 100, 90c.; \$7.00 per 1000.



Allium Neapolitanum

## AMARYLLIS

One of the most gorgeous showy house plants, giving splendid satisfaction, not only because of their requiring little care, but of their everlasting nature and tendency to increase. Once potted they can remain in the pots for years; increasing each year in beauty.

**Cultural Directions.**—Place bulbs in live moss, only moderately moist, near a window of a warm room. Watch the bulbs carefully, and when the first sign of growth appears through the top, get a six-inch pot and be ready to pot up. The soil to be used should be fairly rich and when the bulb is set, most of it should be above the soil. Be moderate in watering first, but increase as growth increases, then place in a warm, light room near the window, and the magnificent spikes usually appear in a short time.

**Belladonna.** A beautiful bright pink. 15c. each; per doz., \$1.50.

**Formosissima.** Crimson. 10c. each; per doz., \$1.00.

**Hybrids of Vittata.** Beautiful species, flowers striped and flaked. 50c. each; per doz., \$5.00.

**Johnsoni.** A very large crimson sort, striped white. Mammoth bulbs, 50c. each; per doz., \$5.00. First size bulbs, 30c. each; per doz., \$3.00.

## SMALL AMARYLLIS OR ZEPHYRANTHES (See page 35)

### ANOMATHECA CRUENTA (Scarlet Freesia)

(Ready in November)

This little bulb produces an attractive scarlet flower much resembling the favorite Freesia. It is used principally for forcing indoors, but may be planted out if protected during winter. The flowers, which are borne in great profusion, are a rosy scarlet, spotted crimson on the three lower petals. Price includes postage on dozen and 100 lots. 3c. each; per doz., 20c.; \$1.00 per 100; \$8.00 per 1000.

## BEGONIAS (Tuberous Rooted) Ready in December

There hardly is a single garden in which there are not semi or entirely shaded spots where the average flower will not grow; such places are ideal for the begonia. Enormous wax-like flowers appear uninterruptedly from June till frost. The bulbs must be lifted in the fall. If you have never grown them, try them this year; start your bulbs in March and have flowers in June. Plant bulbs outdoors not before May 1st.

### SINGLE BEGONIAS

### DOUBLE BEGONIAS

	Each	Doz.	100	Each	Doz.	100
Crimson .....	\$0.10	\$0.75	\$5.00	\$0.15	\$1.25	\$8.00
Orange .....	.10	.75	5.00	.15	1.25	8.00
Pink .....	.10	.75	5.00	.15	1.25	8.00
Scarlet .....	.10	.75	5.00	.15	1.25	8.00
White .....	.10	.75	5.00	.15	1.25	8.00
Yellow .....	.10	.75	5.00	.15	1.25	8.00
Mixed .....	.07	.60	4.50	.12	1.00	6.75

### NEW FRILLED BEGONIAS (Single)

The edge of each flower petal is exquisitely frilled and crested, giving it thereby a charming appearance. Every one who grows Tuberous Begonias should plant some of this variety. Doz. 100

In separate colors as above ..... Each \$0.15 \$1.50 \$10.00

Mixed, all colors ..... .12 1.20 8.50

Double, fringed, mixed, all colors. Extra fine strain ..... .20 1.75 12.50

### NAMED TUBEROUS BEGONIAS

	Each	Doz.	100
Lafayette. Brilliant crimson, double.....	\$0.20	\$2.00	\$15.00
Graf Zeppelin. Double; vermilion scarlet..	.15	1.50	11.00
Bertini. Brilliant vermilion; single .....	.15	1.50	11.00
Cardinal. Rich cardinal red .....	.25	2.25	15.00
Phosphorescent. A most brilliant scarlet....	.25	2.25	15.00





# MICHELL'S MISCELLANEOUS BULBS



Anemone, "St. Brigid"

## ANEMONES (Wind Flowers)

These popular flowers of French origin are exceedingly useful, both as a decorative plant for house or garden, fine for cutting. If planted outdoors in the fall they must be well protected with leaves or other litter; they may also be planted in the spring in well drained soil and will flower during the summer, starting in May. When planted in pots place 12 or more in a cluster and store away, if possible, in a cold frame; there they should be left until the middle of March. If carefully watered when brought into the house they will flower abundantly; height, 12 inches. *Parcel Post Weight, per 100, 1 lb.*

### CORONARIA OR POPPY FLOWERING TYPES

	Each	Doz.	100	1000
Single Scarlet .....	\$0.03	\$0.20	\$1.25	\$10.00
" Blue .....	.03	.20	1.25	10.00
" White ( <i>The Bride</i> ) .....	.03	.20	1.00	7.50
" Mixed, all colors .....	.03	.20	1.00	7.50
Double Mixed, all colors .....	.03	.25	1.50	12.00

**Anemone, St. Brigid (*Semi Double*).** A giant flowering type of Irish origin, magnificent blooms, often 5 inches across, of the richest and daintiest colors, covering maroon, scarlet, blood red, old rose, pink, blue, purple, mauve, yellow, cream white; most of them having a bright colored ring around the centre. Mixed Colors. 4c. each; doz., 35c.; \$2.25 per 100; per 1000, \$20.00.

**Anemone, Fulgens (*Single*).** Dazzling scarlet flowers surrounded with graceful foliage, makes a pot of these a most desirable acquisition. One of the showiest anemones in cultivation, the shade of color being a rarity. Each, 4c.; 30c. per doz.; per 100, \$2.00; \$17.50 per 1000.

## CALLA LILIES

These popular house plants produce their showy, useful blossoms uninterruptedly during the whole winter. The soil for Callas should be somewhat stiff; a mixture of clayey soil, well rotted cow manure and a little sharp sand will be ideal. The water to be used in watering Callas should always be warm. Plant Callas indoors only. *Parcel Post Weight, 3 lbs. per doz.*

	Each	Doz.	100
White Calla ( <i>Aethiopica</i> ). <b>Monster Size</b> ....	\$0.40	\$4.00	\$30.00
" " " <b>Mammoth Size</b> ...	.30	2.75	17.50
" " " <b>Medium Size</b> .....	.20	1.75	12.50
" " " <b>First Size</b> .....	.15	1.25	8.00

**Godfrey Dwarf Everblooming Calla.** Compared with the ordinary white Calla, it gives three flowers to one, the flower being nearly as large, of perfect form and pure white. Properly handled, the same bulb can be replanted each season. The plant is dwarf, compact, about 18 inches high. Large blooming size bulb, 25c. each; doz., \$2.50; \$15.00 per 100.

**Black Calla.** Dark flower. A native of Asia Minor. On account of the complications in Europe, this stock is not obtainable this season.

**Spotted Calla.** White flower, green foliage spotted white (ready in October). 10c. each; per doz., \$1.00; \$7.00 per 100.

**Yellow Calla (*Elliottiana*).** Ready in November. The deep golden yellow flowers are truly magnificent, and produced in abundance. The green foliage is spotted creamy white, which adds to its beauty. 20c. each; doz., \$2.00; \$15.00 per 100.



White Calla Lily





## MICHELL'S MAMMOTH FLOWERING CHINESE LILIES

(See illustration.)

This type of *Narcissus* (*Orientalis*) is also known as Joss Flower, Shui Sin Far, or Flower of the Gods, is a most remarkable house flower, producing its beautiful, fragrant blossoms of white and yellow in the astonishingly short time of 4 to 6 weeks. Popularly they are grown in bowls of water and pebbles; the most satisfactory method of treating them is as follows:

Place from 3 to 6 bulbs in a bowl on top of pebbles to the depth of 2 inches; also place a piece of charcoal with the pebbles to keep the water sweet. Place more pebbles around the bulbs so they will not topple over and then fill the bowl with water to the top of pebbles. After being planted they should be stored for three weeks in a cool, dark corner and then brought forth to a light but cool place, where they will grow to the highest point of perfection. Excessive heat produces quick growth but will blight the buds and no flowers are the result; they also do best where no coal stoves or gas-lights are used in the room where they flower.

They may of course also be grown in pots with soil or sand, bulbs, fibre and moss. To have succession of blooms start a fresh bowl every 2 weeks.

	Each	3 Bulbs	Doz.	Basket of 30 Bulbs
Large Bulbs	\$0.15	\$0.35	\$1.25	\$2.25
Mammoth Bulbs	.20	.50	1.75	4.00
Monster Bulbs	.25	.65	2.50	5.25

Parcel Post Weight of Chinese Lilies 4 lbs. per dozen. Single bulbs mailed free.

## GOLDEN CHINESE LILY

A beautiful variety. The centre cup is deep yellow while the perianth is lighter. Treat exactly the same as the regular Chinese Lily. Very fragrant.

Large Bulbs—5c. each; per doz., 50c.; \$4.00 per 100.

Glass Bowls for Chinese Lilies. For one bulb—15c. each; per doz., \$1.50. For three bulbs—25c. each; per doz., \$2.50 (not mailable).

Pebbles for Chinese Lilies. Carefully screened and selected. 5c. per qt.; 30c. per peck; bushel, \$1.10; \$2.50 per barrel. (Pebbles cannot be mailed)

## CHIONODOXA (Glory of the Snow)

One of the first flowers to appear in the spring. They are frequently planted in masses on a lawn like *Crocus*. For edging other early flowering bulb beds they are well suited. Height about 6 inches. Parcel Post Weight per 100—3 lbs.

**Gigantea.** Large flowers; color lilac blue, white centre. Each, 3c.; 20c. per doz.; per 100, \$1.25; \$10.00 per 1000.

**Luciliae.** Bright blue with white centre. 20c. per doz.; per 100, \$1.10; \$9.00 per 1000.

**Sardensis.** Very deep blue with white centre. 20c. per doz.; per 100, \$1.10; \$9.00 per 1000.

## CYCLAMEN PERSICUM GIGANTEUM (Bulbs)



A Cyclamen Flower

These are amongst our most beautiful and interesting winter and spring-flowering bulbs for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental. Our bulbs are raised by the foremost Cyclamen grower in Europe and will produce flowers of unusual beauty.

Dark Red, Light Red, Clear Pink, Light Pink with Carmine Eye,

	Each	Doz.	100
White with Carmine Eye, Pure White, each color separate.....	\$0.15	\$1.50	\$11.00
Glory of Wandsbeck, Dark Red....	.20	2.00	15.00
Glory of Wandsbeck, Light Red....	.20	2.00	15.00

P. P. W't. of Cyclamen Bulbs, 2 lbs. per doz.

For Cyclamen Plants, see page 63.



# MICHELL'S MISCELLANEOUS BULBS

## CROWN IMPERIAL (*Fritillaria Imperialis*)

A majestic plant appearing in its grandeur in the early spring before the trees burst into leaf. The large bulbs produce stout stems 3 to 4 feet long with a crown-like cluster of bell-shaped flowers at the top, which are gorgeous in coloring. The bulbs have a deep opening in centre and it is advisable when planting to place the bulb on its side, so the rain and water cannot settle in the opening and cause the bulb to decay. These are ideal for planting in hardy borders or shrub beds, but should be massed at least six in a clump. We furnish Mammoth Bulbs only. Parcel Post Weight, per doz., 4 lbs.

	Each	Doz.	100
Single Red .....	\$0.20	\$2.00	\$15.00
Single Yellow .....	.20	2.00	15.00
Crown Upon Crown.			

Several whorls of flowers, one above the other. (See illustration opposite.). .20 2.00 15.00

Single Mixed..... .15 1.50 10.00



Crown Imperial, "Crown upon Crown"

## EREMURUS (*Ready in October*)

These splendid, stately plants deserve a place in every garden. The foliage is Yucca-like, from which arise the majestic flower stalks, from 4 to 7 feet high. The miniature flowers encircle the stem fully two-thirds its entire length. Perfectly hardy.

**Himalaicus.** Peach pink. 85c. each; doz., \$8.50.

**Robustus.** Deep rose. 85c. each; doz., \$8.50.

## GLOXINIAS (*Ready in December*)

A splendid house plant producing clusters of gorgeously colored, marked and spotted bell-shaped flowers, which outrival the finest orchids in texture and appearance. Their culture is very simple; they require a warm, fairly shady location and plenty of moisture. Parcel Post Weight, per doz., 1 lb.; 4 lbs. per 100.

### NAMED GLOXINIAS

	Each	Doz.	100
<b>Cattleya.</b> Orchid pink .....	\$0.20	\$2.00	\$15.00
<b>Defiance.</b> Brilliant scarlet .....	.20	2.00	15.00
<b>Emperor William.</b> Ultramarine blue .....	.20	2.00	15.00
<b>King of Reds.</b> Bright crimson, extra fine .....	.20	2.00	15.00
<b>Graf Zeppelin.</b> Carmine fringed. ....	.20	2.00	15.00

### UNNAMED GLOXINIAS

<b>Red and Scarlet</b> .....	.15	1.25	8.00
<b>White</b> .....	.15	1.25	8.00
<b>Blue</b> .....	.15	1.25	8.00
<b>Tigered and Spotted</b> .....	.15	1.25	8.00
<b>White, Bordered Scarlet</b> .....	.15	1.25	8.00
<b>White, Bordered Blue</b> .....	.15	1.25	8.00
<b>Choicest Mixed</b> .....	.12	1.25	8.00



*Dielytra Spectabilis* "Bleeding Heart"

## DIELYTRA (Bleeding Heart)

(*Ready in November*)

**Spectabilis.** The heart-shaped flowers are produced on long drooping stems, of a beautiful rose and white color combination. After blooming, the foliage makes a very attractive appearance. *Dielytra* forces very readily in a greenhouse or conservatory. Parcel Post Weight, 1 lb. each; doz., 10 lbs. 20c. each; doz., \$2.00; \$15.00 per 100.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates

(ln)



## MICHELL'S GIANT FREESIAS

Without doubt the most sweetly scented flower growing; a single bloom permeates the living-room with its delicate perfume. Although they are quite popular and very easily raised, we would suggest the following directions:

Procure the bulbs as early as possible and plant them in successive batches from August to October, using from 6 to 25 bulbs for a single pan. The soil should be a mixture of loam, to which must be added leaf mould and sand. The bulbs planted early, say August and September, may be placed outdoors in a sheltered spot until cold weather sets in; of course they must be regularly watered and kept growing all the time. In October before frosts appear the pots should be placed in frames if possible or near the window of an unheated room. Not before November must the young plants be brought to gentle heat and if thus cared for they will flower perfectly in January. The foliage of the Freesias is very fine and slender and must be supported with light stakes placed around the outer edge of the pans. The glistening pure white flowers are borne on long stems; very valuable for cutting. P. P. Weight of Freesias, 2 lbs. per 100.

The Purity variety yields gigantic flowers of the purest white on stout wiry stems, 2 feet in length; a revelation to those who only know the regular Freesia; as a cut flower they are unrivaled and very desirable.

### Purity

	Each	Doz.	100	1000
Large Bulbs .....	\$0.04	\$0.35	\$2.00	\$17.50
Mammoth Bulbs .....	.05	.50	2.75	20.00
Monster Bulbs .....	.10	1.00	5.00	45.00
Jumbo Bulbs .....	.15	1.25	8.00	65.00

### Bermuda Freesia. Pure white flowers.

	Each	Doz.	100	1000
Large Bulbs .....	\$0.03	\$0.20	\$1.00	\$8.00
Mammoth Bulbs .....	.04	.30	1.50	10.00
Monster Size Bulbs .....	.05	.50	2.50	20.00

### California Freesia. The white flowers have a yellow throat.

	Each	Doz.	100	1000
Large Bulbs .....	\$0.03	\$0.20	\$1.00	\$7.50
Mammoth Bulbs .....	.04	.25	1.50	11.00
Monster Bulbs .....	.05	.40	2.50	20.00

### Leichtlini. Outside of flower is white, while the inside is yellow.

Each, 3c.; doz., 25c.; \$1.50 per 100; per 1000, \$12.00.

### MATERIAL FOR SUCCESSFUL HOUSE CULTURE OF BULBS

	Qt.	4 Qts.	Peck	Bu.	Bbl.
Charcoal (Lump) .....	\$0.05	\$0.15	\$0.25	\$0.75	\$1.50
Bulb Fibre, Michell's Pre- pared .....	.10	.30	.50	1.50	
Cocoanut Fibre .....	.10	.25	.40	1.00	
Leaf Mould .....	.05	.15	.25	.75	1.50
Pebbles .....	.05	.20	.30	1.10	2.50
Potting Sand .....	.05	.15	.25	.75	2.00
Prepared Potting Soil .....	.05	.15	.25	.75	2.00
		Each	Doz.	100	
6-inch Bulb Pans .....		\$0.06	\$0.72	\$4.80	
7 " " " .....		.08	.91	6.40	
4 " Pots .....		.03	.26	1.76	
Hyacinth Glasses .....		.20	2.25	16.50	



Fischer's Purity Freesia

### MICHELL'S BULB GROWING GUIDE

Bound into a heavy cover, we have issued the above booklet containing not only the most up-to-date cultural directions in general but giving a very concise detail to what use each variety is best put to and in addition describing very explicitly each and every bulb offered in this catalogue. We want every bulb grower to possess this instructive guide. Mailed or handed free to every applicant.

### BOOKS ON GROWING OF BULBS AND FLOWERS

A good book on the subject aids very much in the pleasure derived from growing bulbs either indoors or out. With this end in view, we have selected from a large list the following publications which we can recommend:

**Amateur's Practical Garden Book.** Contains directions for the growing of the things about the house and garden. A splendid guide to the amateur in the fruit, flower and vegetable garden. Price, \$1.00.

**Four Seasons in the Garden.** (Rexford.) Price, \$1.50.

**House Plants and How to Succeed With Them.** (Hillhouse.)

A splendid book for ladies, who grow plants. Price, \$1.00.

**Garden Primer.** A heap of practical suggestions. Price, \$1.10.

**The Hardy Garden Book.** By H. Rutherford Ely. Price, \$1.75.

**The Scented Garden Book.** By F. W. Burbridge. Price \$1.10.

**The Wild Garden Book.** By S. W. Fitzherbert. Price, \$1.10.

**The Winter Garden Book.** By D. S. Fish. Price, \$1.00.

**Garden Book (the practical).** (Hunn & Bailey.) Price, \$1.00.

**Bulbs and Tuberous Rooted Plants.** By C. L. Allen. \$1.50.

**Daffodils—Narcissus: How to Grow Them.** By A. M. Kirby. Price, \$1.10.



**WINTER FLOWERING GLADIOLUS****Cardinalis, Nanus or Colvilli Types***(Ready in October)*

While still a novelty this class of Gladiolus has been thoroughly tried in every section of this country and seems to have a place all its own. Not only may they be grown in cool conservatories or dwelling houses during the winter for flowering from March till May, but they are a hardy bulb and may be planted outdoors in the late fall, 4 to 6 inches deep and protected with at least a covering of from 4 to 6 inches of leaves or dry manure. This protection must be removed early in the spring and in its place between the rows use a layer of fresh manure.

For indoor culture place 6 to 12 bulbs in pan filled with fairly sandy soil, place outdoors protected from frost until winter sets in, then remove to a light but cool corner of the cellar until February 1st, when they should be brought to gentle heat and light, water carefully; indoors this class flowers in May, outdoors in July, a month earlier than the regular Gladiolus; stems and foliage very slender; they can also be grown on greenhouse benches among carnations; height, 20 in. Parcel Post Weight, 3 lbs., per 100.

Each Doz. 100 1000  
**Colvilli Alba (Bride).** Pure white. \$0.03 \$0.20 \$1.25 \$9.00

**Blushing Bride** (*Delicatissima*).

White, blotched blood red on the three lower petals ..... .03 .20 1.25 9.00

**Peach Blossom.** Beautiful soft salmon pink, with a deeper blotch of the same color ..... .03 .25 1.50 12.50

**Modesty.** Soft delicate lavender, blotched mauve ..... .04 .35 1.75 16.00

**Non Plus Ultra.** Brilliant scarlet, blotched pure white, a most attractive flower, larger than any of the foregoing varieties ..... .04 .35 1.75 16.00



New Forcing Gladiolus, "Blushing Bride"

**LARGE FLOWERING GLADIOLUS***(Ready in December)***Varieties Suitable for Forcing**

Besides for outdoor planting in spring and early summer; these may be successfully forced in greenhouses to bloom from March to May. A cool temperature such as required for carnations is ideal; they may be placed on benches among carnations or planted by themselves; a flower which is coming into great popularity and which should be planted by every gardener, both indoors and out. Parcel Post Weight, 3/4 lbs. per doz.; per 100, 5 lbs.

**America.** Beautiful lavender pink wide open flowers, straight stem; a real beauty of distinct merit ..... Each Doz. 100  
 \$0.05 \$0.50 \$2.75

**Augusta.** Pure white, slightly flaked pink, all flowers open on the stem at one time ..... .06 .50 2.75

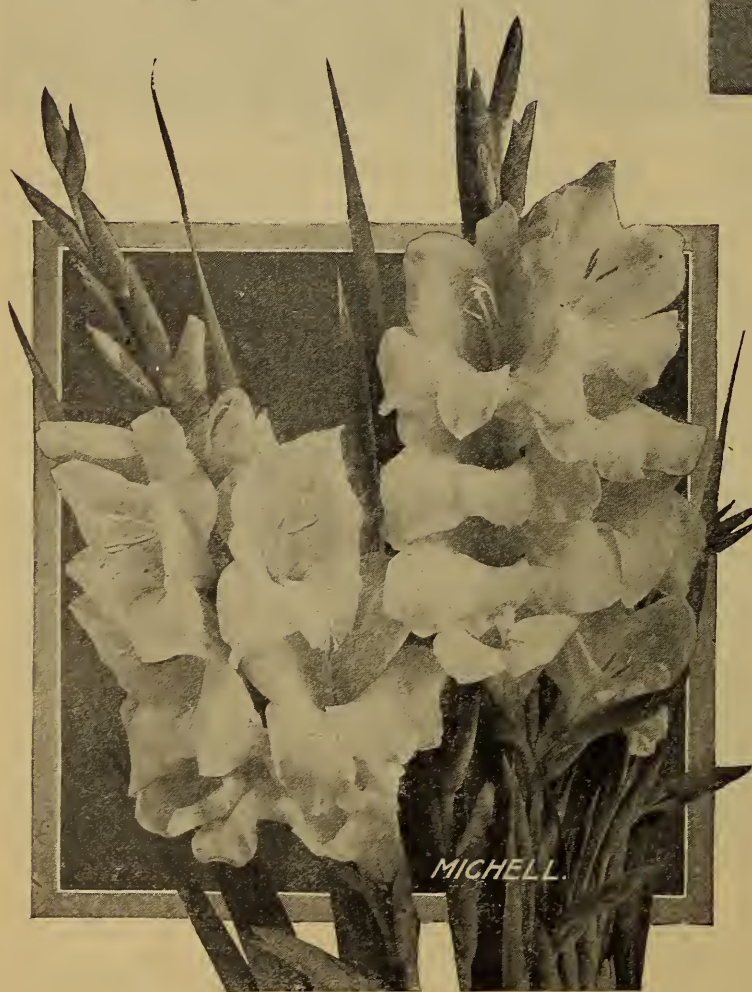
**Brenchleyensis.** For brilliancy of color few can touch this one; the dazzling scarlet flowers appear simultaneously on a straight stalk ..... .03 .25 1.75

**Hollandia.** A European novelty of great merit. It is a distinct shade of beautiful salmon yellow. Suitable for outdoor planting, as well as under glass ..... .06 .60 4.00

**May.** White, flaked crimson; splendid forcer and very popular ..... .05 .50 3.00

**Mrs. Francis King.** Flowers of gigantic size, soft scarlet, on stems 4 feet long.... .05 .50 2.75

We can also supply all other varieties of Gladiolus.



Gladiolus "America"

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates

(hn)





Spanish Iris "Blanche Superbe"

**IRIS HISPANICA (Spanish Iris)**

Graceful, slender stems, a loose but beautiful flower, the charming colors thereof produce a combination not surpassed by an orchid. The finest effects with them are produced when planted in clumps in the perennial border or by themselves; the stems are from 18 to 24 inches long; flowering period in May and early June. They may also be grown in pots indoors. As they are biennial they must be planted every other year. *Parcel Post Weight, per 100, 2 lbs.*

**NAMED VARIETIES (Large Bulbs)**

	Doz.	100	1000
<b>Adeline Patti.</b> Dark bronze .....	\$0.15	\$1.00	\$7.50
<b>Alex. Von Humboldt.</b> Light blue .....	.15	1.00	7.50
<b>Belle Chinoise.</b> Dark yellow .....	.15	1.00	7.50
<b>Blanche Superbe.</b> Pure white .....	.15	1.00	7.50
<b>British Queen.</b> White, extra fine .....	.15	1.00	7.50
<b>Cajanus.</b> Clear yellow, extra large .....	.15	1.00	7.50
<b>Chrysolora.</b> Deep yellow .....	.15	1.00	7.50
<b>Emperor of the West.</b> Bronze .....	.15	1.00	7.50
<b>Filifolia (New).</b> Beautiful deep blue; 2 weeks earlier in flower than any other Iris Hispanica .....	.50	2.75	22.50
<b>Grace Darling.</b> Deep purple .....	.15	1.00	7.50
<b>King of the Blues.</b> Deep blue, sweet scented .....	.15	1.00	7.50
<b>Midley.</b> Pale blue, early forcer .....	.15	1.00	7.50
<b>Sapho.</b> Very fine bronze .....	.15	1.00	7.50
<b>Snowball.</b> Pure white, extra .....	.15	1.00	7.50
<b>Thunderbolt.</b> Rich bronze .....	.25	1.50	12.00
<b>Mixed Colors</b> .....	.12	.75	5.25

Our bulbs of Spanish Iris are all sure to bloom, being extra large.

**IRIS TINGITANA**

A beautiful light blue; excellent for early forcing; can easily be had in bloom in December. The best novelty in the Iris line. \$1.00 doz.; 100, \$6.00.

**IRIS ANGLICA (English Iris)**

This type is very similar in character to the Spanish varieties, somewhat dwarfer, more robust, with heavier foliage and larger flowers, flowering two weeks later. These are not suited to forcing, blooming in June. *Parcel Post Weight, 3 lbs. per 100.*

**NAMED VARIETIES (Large Bulbs)**

	Each	Doz.	100	1000
<b>Blanche Fleur.</b> Pure white .....	\$0.05	\$0.40	\$2.25	\$18.00
<b>L'Unique.</b> Bright claret .....	.05	.40	2.25	18.00
<b>Argus.</b> Pink and white .....	.05	.40	2.25	18.00
<b>Bavaria.</b> Light blue .....	.05	.40	2.25	18.00
<b>Mixed, all colors</b> .....	.03	.25	1.40	11.00

**IRIS SUSIANA (Mourning Iris)**

A variety originating in Asia Minor, representing a class entirely in itself, both in habit, form and color. The massive, truly gigantic flowers when fully developed often measure  $4\frac{1}{2}$  inches in height and 5 inches across, a most distinct coloring, viz.: grayish white, finely penciled, mottled and striped deep brown; the inner galls are a solid maroon shade, coated velvety and covered with long attractive hairs. They may be grown in pots or in the border. If planted outdoors, select a well-protected location; add sand to a heavy soil and dry manure. Cover with long manure during winter.

**Strong Bulbs,** 20c. each; \$1.50 doz.; 100, \$10.00.

**IXIA**

A charming little stove and conservatory bulb. It may also be planted outdoors if put in a protected position with plenty of covering during winter, in well-drained soil.

**Crateroides.** A brilliant scarlet variety; forces very readily. 3c. each; per doz., 25c.; \$1.75 per 100; per 1000, \$15.00.

**Mixed.** 12c. per doz.; per 100, 75c.; \$5.50 per 1000.

**TESTIMONIAL ON MICHELL'S BULBS**

WINDBER, PA.

Your bulbs were excellent. They forced well and almost every one made a first-class flower. I was well pleased with everything I received from you.

JOHN YOUNG.



**RANUNCULUS** (Buttercups)

(See illustration)

An attractive flower resembling a giant double buttercup or small double poppy. They should be grown in pots indoors for winter blooming or in frames outdoors for early spring flowering. The bulbs retain their substance for a long while and may also be planted outdoors latter part of March or early April in a shaded place (moist preferred), then blooming in June. They cover every shade of crimson, white, purple and yellow; height, 12 inches. Each Doz. 100 1000

**Double Giant Persian.** Mixed.....\$0.02 \$0.15 \$1.00 \$7.00

**Double Giant French.** Mixed..... .02 .15 1.00 7.00

**Double Giant Turban.** Mixed..... .02 .15 1.00 7.00

**PANCRATIUM LILY** (Ismene)

As a summer and winter flowering bulb this has few equals; planted outdoors in May it will bloom all season. In September it may be lifted, allowed to die off and started in pots about December, 1 bulb to a pot. It usually commences flowering three weeks after planting; height, 12 inches; flowers a beautiful waxy white and deliciously fragrant. Large bulbs, 15c. each; per doz., \$1.50; \$10.00 per 100.

**SPARAXIS**

A small bulb bearing a very large flower, often 2 inches across, on long, graceful stems; they resemble somewhat the Ixia in shape. For indoor blooming only. Plant 6 to 12 bulbs in a pot for the best effect.

**Mixed Colors.** 2c. each; per doz., 15c.; 75c. per 100; \$6.00 per 1000.



A Vase of Ranunculus Flowers



Scilla Sibirica



SCILLA CAMPANULATA

**SCILLAS** (Squills, Wood Hyacinths, Blue Bells, etc.)

For massing round tulip, hyacinth or even daffodil beds nothing can equal the Scilla; among shrubbery in herbaceous beds in clusters of 50 or more bulbs its blaze of color is wonderfully effective. Once planted it remains for years. They all do well if planted indoors in pots or pans, not less than a dozen to a crock, a continuous flowering period may thus be had from Christmas until April.

**SCILLA CAMPANULATA** (Wood Hyacinth)

Tall flowering type, with broad fleshy foliage.

	Doz.	100	1000
<b>Blue</b> .....	\$0.20	\$1.00	\$7.50
<b>White</b> .....	.20	1.25	10.00
<b>Pink</b> .....	.20	1.25	10.00

**SCILLA SIBIRICA** (Squills)

	Doz.	100	1000
<b>Coerulea.</b> Blue; large bulbs.....	\$0.20	\$1.00	\$8.00
“ “ mammoth bulbs .....	.25	1.50	12.50

Parcel Post Weight of Scilla Sibirica, 1 lb. per 100. Weight of Scilla Campanulata, 3 lbs. per 100.





Giant Single Snowdrops

**SNOWDROPS (Galanthus)**

No spring flowering bulb plays a more important part in the garden than does this somewhat insignificant variety. 'Neath ice and snow often early in March; yes, frequently in February you can see it sticking forth its flower spike as though exclaiming, I can't wait for spring to come. What can gladden the heart more than this? A combination of Crocus, Scillas and Snowdrops make a glorious effect when planted promiscuously in a border; one follows the other in flowering and a change of color with each one suggests a floral treat hard to equal at the time of year they flower—*February till April*. They are perfectly hardy; should be planted in masses of 50 or more bulbs. They also flower well in pots indoors.

	Each	Doz.	100	1000
Single Giant. Pure white .....	\$0.02	\$0.15	\$1.00	\$8.00
Double. Pure white .....	.03	.25	1.50	12.00

**ZEPHYRANTHES (Fairly Lily)**

A splendid pot plant for winter, of easiest culture. Planted outdoors in May, they flower the entire season.

	Each	Doz.
Treatea Rosea. Pink flowers.... (Per 100, \$4.50)	\$0.06	\$0.60
Treatea Alba. White flowers... (Per 100, \$4.50)	.06	.60

**SPRING SNOWFLAKE (Leucojum Vernum)**

Beautiful early flowering bulb, rivaling for earliness the Snowdrop. Plant in clumps of 25 to 100 bulbs, for a good effect. Color, pure white tipped green; may also be used for flowering indoors; height, about 7 inches. Each, 3c.; 25c. doz.; per 100, \$1.50; \$12.00 per 1000.

**SPIREA (Astillbe) Ready in November**

This is a favorite Easter flowering plant rivaling with the lily. If wanted for indoor blooming, pot the roots on arrival, water well and place outdoors for about 6 to 8 weeks. They may be brought in and placed in a moderately warm room, the cooler, without freezing, however, the better. They can be made to flower almost any time by bringing them to a warmer place. For outdoor they are fine in hardy borders; flowering in June. Parcel Post Weight, 2 lbs. each.

**Note:**—We have discontinued the varieties, "Compacta," "Japonica," and "Astillboides Floribunda," as other varieties, which are better, have superseded them.

**America (New).** A very beautiful lilac-rose colored variety, having the same habit, large feathery panicles and forcing qualities of Gladstone. Well grown pots of this variety in bloom are certainly most attractive. Large clumps. Each, 40c.; \$4.00 doz.; per 100, \$20.00.

**Gladstone.** This popular, large-flowering Spiraea is a wonderful improvement over all other white-flowering varieties, and is, no doubt, the most beautiful Easter and spring-flowering pot plant grown. The immense trusses of flowers are snow white; borne on strong, erect stalks, and appear in such abundance that the plant is practically enveloped with a white feathery foam.

Extra Large Clumps. 25c. each; doz., \$2.00; \$10.00 per 100.

Monster Clumps. 50c. each; doz., \$5.00; \$30.00 per 100.

**Queen Alexandra.** A beautiful shade of pink. Being an offspring of the Gladstone it requires the same culture. The plant should be shaded as it comes into bloom in order to bring the flower to full perfection.

Extra Large Clumps. 25c. each; doz., \$2.00; \$12.50 per 100.

**Philadelphia.** A grand pink variety, producing magnificent plummy flower spikes of a beautiful rose shade. This variety is a great improvement over Queen Alexandra and will, in all probability, supersede the latter sort.

Extra Large Clumps. 35c. each; doz., \$3.00; \$17.50 per 100.

**Rubens (New).** Rich, brilliant pink, being more distinct in color than either Queen Alexandra or Philadelphia. In growth and habit it resembles Gladstone, but is much deeper than other pink Spiraeas. It is, in fact, the finest real pink in existence.

Extra Large Clumps. 50c. each; doz., \$5.00; \$30.00 per 100.

**SPIREA ARENDSEI TYPE**

Special attention is called to these offered in the perennial plant section; they are among the finest of hardy flowers, splendid for border work, massing or cut flowers.



New Pink Spiraea, "Queen Alexandra" (See above)



# 36 MICHELL'S DISTINCTIVE FLOWER SEEDS

FOR AUTUMN AND EARLY WINTER SOWING

For Complete List of Flower Seeds see our General Catalog for 1916

## ACHILLEA (Milfoil or Yarrow)

**Ptarmica, Fl. Pl., "The Pearl."** Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; 2 feet.....\$0.30 \$0.10

## ACONITUM (Monk's Hood or Helmet Flower)

Hardy perennial, thriving best in semi-shady situations; curious hood-shaped flowers in clusters; height, 4 feet; August-September. Large pkt. Pkt.  
**Napellus, Blue** .....\$0.25 \$0.05

## ALYSSUM

One of the most popular garden flowers, for beds, edgings, rock-work or vases; also useful for winter flowering.

Large pkt. Pkt.  
**Little Gem.** Dwarf compact plants, densely covered with large pure white flowers; height, 4 inches .....oz., 75c. \$0.20 \$0.05  
**Little Dorritt.** Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges.....oz., \$1.00 .20 .05  
**Lilac Queen.** Dwarf and compact; flowers lilac... .40 .15  
**Sweet.** The popular old-fashioned sort, the best for broad edges and vases. Pure white; height, 6 inches .....oz., 25c. .15 .05  
**Saxatile Compactum (Basket of Gold).** Showy golden yellow flowers; hardy perennial; 1 foot. oz., 50c. .15 .05

## ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter.

## MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length, dressed with giant flowers of the purest colors.

Large pkt. Pkt.  
**Michell's Giant Salmon Pink.** A valuable addition to this popular flower; long spikes of a delicate salmon pink color.....\$0.40 \$0.15  
**Silver Pink.** A fine variety; long spikes and a profuse bloomer. Original pkt., \$1.00.  
**Giant Pink** .....25 .10  
" **Scarlet** .....25 .10  
" **Striped** .....25 .10  
" **White** .....25 .10  
" **Yellow** .....25 .10  
" **Double White** .....65 .15  
" **Venus.** Shell pink on white ground.....40 .15  
" **Cerise King.** Cerise pink; white throat and white lip .....20  
" **Pink Beauty.** Deep rose pink .....20  
" **The Bride.** Pure white .....30 .10  
" **Mixed.** All colors .....oz., 75c. .20 .10  
**Tall Mixed.** A fine selection .....oz., 40c. .15 .05  
**Imported Collection, 10 Tall Varieties** .....40

## SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 inches high, but have extremely large flowers over most part of the stem.

Large pkt. Pkt.  
**Captivation.** Chamois, shaded pink.....\$0.30  
**Daphne.** Carmine pink, white throat .....\$0.25 .10  
**Defiance.** Fiery scarlet .....25 .10  
**Golden Beauty.** Rich golden yellow .....20  
**Golden Queen.** Golden yellow, giant flowers ....25 .10  
**Queen of the North.** Of purest white .....25 .10  
**Mixed.** All colors .....oz., 75c. .20 .10  
**Imported Collection, 10 Semi-Dwarf Varieties** .....40

## DWARF ANTIRRHINUMS

The Dwarf or Tom Thumb varieties are excellent for bedding; also for edges. Height, 12 inches.

Large pkt. Pkt.  
**Tom Thumb Mixed.** All colors .....\$0.20 \$0.05

## ADONIS

Large pkt. Pkt.  
**Vernalis (Ox Eye).** One of the choicest spring flowering perennial plants; finely cut, ornamental foliage, yellow flowers; 1 foot .....\$0.30 \$0.05

## AGROSTEMMA

**Coronaria (Mullein Pink).** Stout erect growing plants with silvery foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; July and August .15 .05

## AMPELOPSIS (Boston or Japanese Ivy)

**Veitchi.** A hardy perennial climber from Japan, with olive-green leaves, which turn to scarlet in the autumn; one of the best hardy vines for covering brick or stone buildings.....oz., 40c. .15 .10

## ANCHUSA (Sea Bugloss)

**Italica "Dropmore."** A strong growing hardy perennial plant, 4 feet high, with rough hairy foliage and long heads of bright blue flowers.....40 .15

## ANEMONE (Wind Flower)

A dainty spring flower with bright cup-shaped blossoms; splendid for cutting; perennial. Large pkt. Pkt.

**Coronaria Mixed.** 2 feet; all colors .....\$0.20 \$0.05  
**St. Brigid, or Poppy.** Flowers of large size, semi-double and double .....40 .15

## ANTHEMIS (Hardy Marguerite)

**Tinctoria Kelwayi.** A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; 2 feet .....25 .10



MICHELL

Giant Snapdragon (Antirrhinum)





Aquilegia—Long Spurred

**AQUILEGIAS OR COLUMBINES**

An elegant, graceful, beautiful spring flowering plant, producing exquisitely spurred flowers on stems rising 2 feet above the fern-like foliage; splendid for cutting.

	Large pkt.	Pkt.
<b>Long Spurred Hybrids.</b> Flowers of many rich and varied colors, with long spurs.....	\$0.40	\$0.10
<b>Canadensis.</b> Scarlet and yellow .....	.40	.05
<b>Chrysantha.</b> Bright golden yellow .....	.40	.10
<b>Chrysantha Alba.</b> Purest white .....	.40	.10
<b>Californica Hybrida.</b> Mixed colors; long spurs... ..	.40	.10
<b>Coerula</b> ( <i>Rocky Mountain Columbine</i> ). Large flowers, violet-blue and white.....	.40	.10
<b>Haylodgensis Delicatissima.</b> Satiny rose .....	.50	.20
<b>Nivea Grandiflora.</b> Pure white .....	.15	.05
<b>Rose Queen.</b> Pink, white centre.....	.50	.20
<b>Single Mixed</b> .....oz., 40c.	.15	.05
<b>Double Mixed</b> .....oz., 40c.	.15	.05

**ARABIS** (*Rock Cress*)

**Alpina.** Early spring flowering plant especially adapted for edging and rockery; covered with pure white blossoms; perennial; May; 6 inches... .15 .05

**ARMERIA** (*Sea Pink or Thrift*)

**Formosa.** A pretty, hardy perennial for edgings, blooming all summer; rosy pink flowers; 9 inches... .20 .10

**ASPARAGUS**

**Hatcheri.** Of dense and symmetrical growth; dainty fern-like fronds set close together along the stalk; valuable for decorative use, also for specimen pot plants .....\$1.50 \$0.25

**Plumosus Nanus.** An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut..... 1.00 .25

**Sprengeri.** One of the best plants to grow in hanging baskets for greenhouse or for outdoors in the summer ..... .50 .10

**ASPERULA** (*Woodruff*)

**Odorata.** Dwarf spring flowers of purest white; thrives well in shady situations; perennial; 1 foot; May .....\$0.20 \$0.05



Hardy Perennial Aster

**ASTER PERENNIAL** (*Michaelmas Daisy*)

**Choice Mixed.** The showiest of our late flowering plants and very effective if planted in groups of colors. Star-like single flowers; 2 feet.....\$0.30 \$0.10

**AURICULA** (*Primula Auricula*)

**Choice Mixed.** These early flowering perennial plants resemble primroses and have multi-colored flowers in great variety; 1 foot; May..... .50 .10

**BAPTISIA** (*False Indigo*)

**Australis.** A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue flowers in June and July..... .20 .05

**BEGONIA** (*Semperflorens Type*)

The following varieties are extensively used for bedding; they are also excellent for pot plants for winter flowering.

	Large pkt.	Pkt.
<b>Vernon.</b> Deep red flowers .....	\$0.30	\$0.10
<b>Anna Regina.</b> Rose-colored flowers .....	.65	.15
<b>Erfordia.</b> Delicate pink; one of the choicest.....	.40	.15
<b>Queen of Carpet Bedders.</b> Dwarf red .....	.40	.15
<b>Salmon Queen.</b> Salmon red .....	.65	.20
<b>Zulu King.</b> Blood red flowers and dark red leaves. .65 .15		
<b>Choice Mixed.</b> All colors .....	.40	.10

**BEGONIA GRACILIS**

<b>Gracilis Rosea.</b> Light pink .....	.40	.15
" <b>Luminosa.</b> Fiery dark scarlet .....	.50	.20
" <b>Alba.</b> Pure white .....	.40	.15
" <b>Prima Donna.</b> Rose, shading to carmine. .65 .20		

**BEGONIA** (*Tuberous Rooted*)

**International Prize.** An unrivaled strain; seed saved only from the best selected blooms..... .25

**Single.** Extra choice mixed..... .65 .15

**Double.** Choicest strain, mixed ..... .25 |

**BEGONIA** (*Ornamental-Leaved*)

**Rex Hybrids.** Beautiful varieties with variegated foliage; choice mixed ..... .65 .25 |

**BOCCONIA** (*Plume Poppy*)

**Cordata.** A splendid hardy perennial; long spikes of creamy white flowers..... .15 .05



**BOLTONIA** (False Chamomile) Large pkt. Pkt.

**Latisquama.** A tall, late flowering plant with aster-like flowers of pinkish lavender; perennial; 6 feet; July to September.....\$0.30 \$0.10

**BROWALLIA**

Elegant free flowering plants for the garden in summer or for pot culture in winter; 18 inches. Large pkt. Pkt.

**Elata Coerulea.** Sky-blue flowers.....\$0.20 \$0.05

**Speciosa Major.** A large flowering variety of brilliant ultramarine blue; desirable as a pot plant for winter and spring flowering..... .50 .10



Campanula or Bell Flower

**CAMPANULAS OR BLUE BELLS****PERENNIAL VARIETIES**

These are among our best known hardy perennials; the all varieties are fine for cutting while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

Large pkt. Pkt.

**Carpatica, Blue** (Carpathian Hare Bell). Compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July.....\$0.20 \$0.05

**Carpatica, White** ..... .20 .05

**Persicifolia Grandiflora, Blue** (Peach Bells). Stately spikes, 4 feet tall with immense blue bell-shaped flowers ..... .30 .15

**Persicifolia Grandiflora, White** ..... .30 .15

**Pyramidalis** (Chimney Bell Flower). Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed..... .25 .05

**CAMPANULA MEDIA** (Canterbury Bell)

Showy, hardy biennials about 3 feet high of pyramidal form, and covered with large bell-shaped flowers.

Large pkt. Pkt.

**Single Blue** ..... .15 .05

" **Pink** ..... .15 .05

" **White** ..... .15 .05

" **Mixed** ..... .15 .05

**Double Mixed** ..... .25 .05

**CAMPANULA CALYCANTHEMA** (Cup and Saucer)

These produce beautiful, large single flowers, resembling a cup and saucer; they require the same treatment as above.

Large pkt. Pkt.

**White** .....\$0.30 \$0.10

**Pink** ..... .30 .10

**Blue** ..... .30 .10

**Mixed** ..... .25 .10

**CALCEOLARIA**

An ornamental plant, and a universal favorite for decorating the greenhouse or conservatory; produces a mass of beautiful pocket-like flowers. Our strains of Calceolaria have a wide reputation as to large size and rich and varied colors of the flowers.

Large pkt. Pkt.

**Hybrida Grandiflora, Tall Mixed.** Large flowering, rich, self-colored flowers saved from a choice collection; 18 inches.....\$0.75 \$0.25

**Hybrida Grandiflora, Pumila Compacta.** Of dwarf, compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot..... .75 .25

**James' Superb Strain.** A robust grower, producing very large and beautiful flowers; 18 inches. 1.25 .50

**Sutton's Perfection.** Choicest mixed..... 1.00

**Rugosa Mixed** (Shrubby). Small flowering varieties for bedding; of the finest colors; 1 foot.... 1.25 .50

**CALLIOPSIS** (Coreopsis)

One of the finest hardy perennial plants.

**Lanceolata Grandiflora.** Single golden yellow flowers of graceful form; invaluable for cutting; flowers uninterrupted the entire summer.

oz., 50c. .15 .10

**California Sunbeams.** Very large flowers beautifully formed; various shades of yellow and brown .....oz., 75c. .25 .10



Michell's Giant White Candytuft

**CANDYTUFT** (Iberis)

Splendid edging plants, flowering within six weeks after sowing; height, 1 foot. They are excellent for cutting.

Large pkt. Pkt.

**Michell's Giant White.** The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing .....oz., 60c.\$0.20 \$0.10

**Empress.** An excellent variety with long trusses of pure white flowers.....oz., 40c. .15 .10

**Pink** .....oz., 40c. .15 .05

**Crimson** .....oz., 25c. .15 .05

**Carmine.** Very bright .....oz., 40c. .15 .05

**Purple.** Deep rich purple.....oz., 30c. .15 .05

**White Rocket.** Long spikes.....oz., 20c. .05

**Little Prince.** Very dwarf and compact with pure white flowers; excellent for edging....oz., 50c. .15 .10

**Choice Mixed.** All colors.....oz., 20c. .05

**Imported Collection, 6 Colors**..... .25

**Sempervirens.** Dwarf spring flowering perennial plants; ideal for the bulb border, flowers of glistering white; May; 8 inches..... .50 .10



**CARNATION**

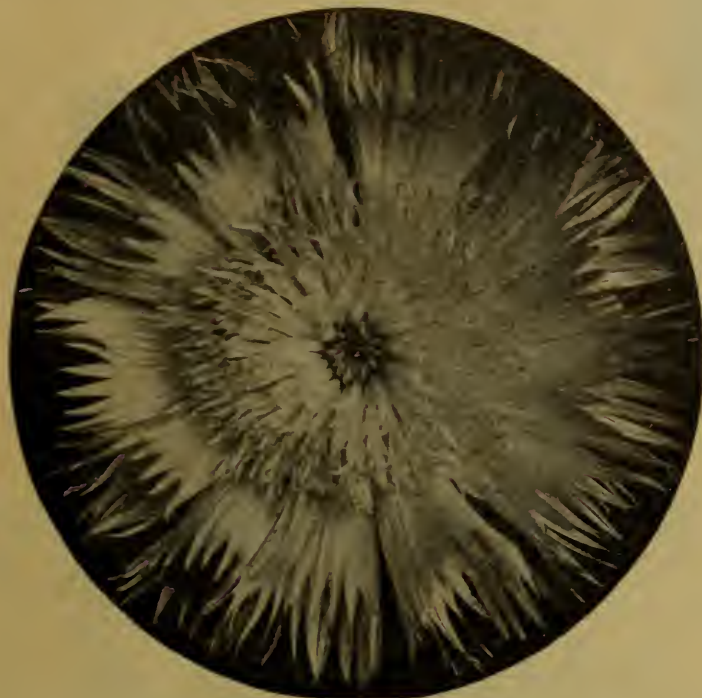
These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

<b>Early Vienna.</b> Large double flowers in choicest mixture; 1 foot .....	Large pkt.	Pkt.
	\$0.30	\$0.10
<b>Finest German.</b> Double mixed; selected strain ...	.65	.25
<b>Choice Mixed Double.</b> All sorts .....	.50	.10

**MARGUERITE CARNATIONS**

These are the most satisfactory of the annual pinks; and will bloom in four months after sowing the seed. If slightly protected the first winter, they will revive the following spring and bloom during that whole season.

<b>Excelsior Mixed.</b> Immense flowers in all the beautiful shades .....	Large pkt.	Pkt.
	\$0.40	\$0.15
<b>Pink</b> .....	.40	.10
<b>White</b> .....	.40	.10
<b>Scarlet</b> .....	.40	.10
<b>Yellow</b> .....	.40	.10
<b>Choice Mixed</b> .....	oz., \$1.25	.25 .10



"Centaurea Imperialis," New Giant Cornflower

**CENTAUREA****CENTAUREA CYANUS (Cornflower or Bachelor's Button)**

<b>Emperor William.</b> Deep blue .....	Oz., 25c.	\$0.15	\$0.05
<b>Double Blue.</b> Very large and double; quite new...	.20		.10

**CENTAUREA IMPERIALIS (Giant Cornflower)**

Gigantic, beautiful, sweet-scented flowers are borne on long stems. They are well adapted for cutting and remain fresh a long time after being cut. Height of plant, 2 to 3 ft.

	Oz.	Large pkt.	Pkt.
<b>Deep Rose</b> .....	\$1.00	\$0.20	\$0.10
<b>Lavender</b> .....	1.00	.20	.10
<b>Lilac</b> .....	1.00	.20	.10
<b>Brilliant Pink</b> .....	1.00	.20	.10
<b>Purple</b> .....	1.00	.20	.10
<b>White</b> .....	1.00	.20	.10
<b>Choice Mixed</b> .....	.75	.15	.10
<b>Our Collection</b> (One packet each of above 6 colors)...			.50

**NEW GIANT FLOWERED CENTAUREAS**

Magnificent flowers of brilliant colors; excellent for cutting.

	Large pkt.	Pkt.
<b>Honeymoon.</b> Golden yellow .....	\$0.40	\$0.15
<b>The Bride.</b> Pure white .....	.40	.15
<b>The Bridegroom.</b> Purplish mauve .....	.40	.15

**CENTAUREA (Perennial)**

Large feathery flowers; splendid for cutting; blooms the entire summer.

	Large pkt.	Pkt.
<b>Montana.</b> Blue; 18 inches .....	\$0.30	\$0.10
<b>Montana Alba.</b> White .....	.30	.10

**CERASTIUM (Snow in Summer)**

	Large pkt.	Pkt.
<b>Tomentosum.</b> Dwarf, white-leaved edging plant; flowers white; 4 inches .....	\$0.40	\$0.15



Shasta Daisy, "Alaska"

**CHRYSANTHEMUM (Perennial)**

Elegant hardy perennials for permanent garden decoration.

	Large pkt.	Pkt.
<b>Frutescens Grandiflorum (Paris Daisy or Marguerite).</b> Single flowers, white with yellow eye...	\$0.20	\$0.10
<b>Shasta Daisy, "Alaska."</b> The finest of all; single white flowers on long stems; 2 feet. ....	.50	.20
<b>King Edward VII.</b> Flowers extra large; pure white and of perfect form. ....	.25	.10
<b>Princess Henry.</b> Immense white flowers, 4 inches across; 18 inches. ....	.25	.10
<b>Japanese Hybrids.</b> Large flowers of the finest types; an extra choice mixture; 18 inches .....	.65	.15

**CINERARIA**

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. *Our Grandiflora Prize Strain* is the best procurable, producing immense trusses of the largest flowers, often measuring up to 4 inches across.

	Large pkt.	Pkt.
<b>Grandiflora Prize Dwarf.</b> Mixed colors; plants of dwarf habit .....	\$0.75	\$0.35
<b>Grandiflora Prize Medium Tall.</b> Mixed colors; desirable as a decorative plant .....	.75	.35
<b>James' Giant Strain.</b> A superb variety; mixed...	1.25	.50
<b>Sutton's Superb.</b> Mixed colors. Original pkt. ....		.75
<b>Matador.</b> Large bright red flowers .....		.35
<b>Hybrida.</b> Choice mixed colors .....	.65	.25
<b>Radiata Hybrida.</b> New varieties of the Star Cineraria in a wide range of colors and shades. ....	.75	.20
<b>Stellata (Sutton's).</b> Medium sized star-like flowers. Original pkt. ....		.75
<b>Stellata Hybrida.</b> Of graceful and vigorous habit, producing a profusion of elegant flowers. ....	.75	.25

TACOMA, WASH.

Gentlemen:—Please send us a packet of Michell's Distinctive Cineraria Seed. I found your stock to be the best I ever had for richness of colors.

Yours truly,

N. W. F. Co.





Michell's Fancy Giant Cyclamen

**CYCLAMEN**

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

**MICHELL'S "DISTINCTIVE" GIANT**

Grown for us in England by a Specialist who has received numerous First Prizes for the large size and beautiful coloring of the flowers.

	100 Seeds	Pkt.
<b>Duke of Connaught.</b> Crimson .....	\$1.50	\$0.50
<b>Excelsior.</b> White with red eye.....	1.50	.50
<b>Grandiflora Alba.</b> White .....	1.50	.50
<b>Princess of Wales.</b> Pink .....	1.50	.50
<b>Salmon Queen.</b> Salmon pink .....	1.50	.50
<b>Mixed.</b> All colors .....	1.25	.40

**REGULAR GIGANTEUM STRAIN**

Grown for us by a Specialist in Germany.

<b>Giganteum Album.</b> White .....	1.00	.35
" <b>Roseum.</b> Pink .....	1.00	.35
" <b>Rubrum.</b> Red .....	1.00	.35
" <b>White</b> with carmine eye .....	1.00	.35
" <b>Mixed.</b> Choicest strain.....	1.00	.25
" <b>Glory of Wandsbek.</b> Extra large; salmony red color .....	1.75	.35

**VARIOUS CYCLAMEN**

<b>Mrs. Buckston.</b> Frilled and waved flowers; color, delicate salmon. Original pkt.....	.75	
<b>Rokoko Erecta.</b> Flowers large, upright, beautifully fringed and borne on straight, upright stems; mixed colors.....	1.50	.50
<b>Papilio (Butterfly).</b> The edges of the flowers are beautifully fringed, or waved; mixed colors .....	1.50	.40
	Large pkt.	Pkt.
<b>Persicum.</b> Choice mixed .....	\$0.50	\$0.10
<b>Sutton's Giant.</b> Choicest mixed. Original pkt.....	.75	

**CLEMATIS**

Hardy perennial climbers; fine for arbors, verandas, etc.

	Large pkt	Pkt.
<b>Flammula.</b> Feathery-white, fragrant flowers .....	\$0.15	\$0.05
<b>Jackman's Large Flowering.</b> Mixed; saved from the finest, large flowering sorts .....	.40	.15
<b>Paniculata (Japanese Virgin's Bower).</b> The beautiful autumn flowering variety so much admired for its fragrant, white star-shaped flowers .....	.20	.10

**CUPHEA (Cigar Plant)**

<b>Platycentra.</b> A valuable plant for greenhouse or conservatory, or for bedding; flowers scarlet with black and white lip .....	.30	.10
---	-----	-----

**CYPERUS (Umbrella Plant)**

<b>Alternifolius.</b> An elegant plant for growing in water or damp places.....	.50	.10
---	-----	-----



English Daisy—Monstrosa

**DAISY, ENGLISH DOUBLE (Bellis Perennis)**

These are strictly biennials, and seed should be sown from June 1st till September, transplanted in the fall, and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

	Large pkt.	Pkt.
<b>Monstrosa, Pink.</b> This strain produces the largest and most perfectly double flowers of any .....	\$0.65	\$0.25
<b>Monstrosa, White</b> .....	.65	.25
<b>Monstrosa, Mixed</b> .....	.65	.25
<b>Longfellow.</b> Large double pink flowers. ....	.40	.10
<b>Snowball.</b> Purest white; large and double .....	.40	.10
<b>Double Mixed</b> .....	.40	.10



**DELPHINIUM** (Hardy Perennial Larkspur)

Highly prepossessing plants of stately appearance; of easy culture, and one of the most popular of hardy plants. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through fall.

	Large pkt.	Pkt.
<b>Kelway's Giant.</b> A strain recognized the world over as a prize-winner; plants are of strong, vigorous growth with immense spikes of large flowers; many shades of blue; 5 to 7 feet. ....	\$0.50	\$0.15
<b>Belladonna.</b> Immense spikes of clear turquoise blue; 5 feet .....	.65	.25
<b>Formosum.</b> Deep blue; 3 feet .....	.20	.10
<b>Formosum Coelestinum.</b> Sky blue .....	.30	.15
<b>Chinense Grandiflorum.</b> A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet .....	.15	.05
<b>Chinense Grandiflorum Album.</b> Pure white flowers .....	.15	.05
<b>Cashmerianum.</b> Dark blue; 18 inches .....	.50	.10
<b>Duke of Connaught.</b> Rich Oxford blue with a distinct white eye .....	.50	.15
<b>Elatum</b> ( <i>Bee Larkspur</i> ). Rich blue; 4 ft. ....	.25	.10
<b>Geneva.</b> Large flowers of a beautiful light blue with white eye .....	.50	.15
<b>Julia.</b> Cornflower blue veined with rose, white eye. ....	.50	.15
<b>Mme. Violet Geslin.</b> Semi-double; clear blue, lavender centre, with white eye .....	.50	.15
<b>Nudicaule.</b> Bright scarlet; 18 inches .....	.50	.10
<b>Queen Wilhelmina.</b> Large flowers of a soft lavender blue, flushed with rose, white eye .....	.50	.15
<b>Rembrandt.</b> Bright sky-blue, inner petals rosy lavender .....	.50	.15
<b>Zalil.</b> Sulphur yellow; 4 feet .....	.50	.10
<b>Hybridum Mixed.</b> Choicest; 4 feet .....	.15	.05

**DICTAMNUS** (Gas Plant)

<b>Fraxinella.</b> Showy bushy plants 2½ feet high; rosy pink flowers; perennial; June and July .....	.15	.05
---	-----	-----



Digitalis (Foxglove) Gloxiniaeflora



Delphinium, Kelway's Giants

**DIANTHUS** (Hardy Garden Pinks)

	Large pkt.	Pkt.
<b>Erfurt.</b> Of dwarf, compact growth; blooms early; very fragrant; mixed colors .....	\$0.65	\$0.15
<b>Clove Scented.</b> Double and semi-double varieties in beautiful colors; fragrant .....	.40	.10
<b>Pheasant's Eye.</b> Single white, fringed flowers with dark centre .....	.15	.05
<b>Double Scotch.</b> Choice mixed colors .....	.40	.15

**DIGITALIS** (Foxglove)

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produce long spikes of beautiful tubular-shaped flowers; blooms during June and July; 4 to 5 feet.

	Oz.	Large pkt.	Pkt.
<b>Gloxiniaeflora, Pink</b> .....	\$0.75	\$0.20	\$0.10
" <b>Purple</b> .....	.75	.20	.10
" <b>White</b> .....	.75	.20	.10
" <b>Mixed</b> .....	.60	.15	.05
<b>Monstrosa</b> ( <i>Mammoth Foxglove</i> ). The tall spikes are surmounted by one monstrous flower; all colors mixed .....	1.25	.30	.10



**DRACENA**

Ornamental plants for vases or conservatory decoration.

	Large Pkt.	Pkt.
<b>Australis.</b> Green and red colored leaves.....	\$0.20	\$0.10
<b>Indivisa.</b> Narrow green leaves.....	.15	.10

**EDELWEISS** (*Gnaphalium*)

<b>Leontopodium.</b> The famous Alpine flower, suitable for rock work, etc.; 6 inches.....	.40	.15
--	-----	-----

**EUPATORIUM**

<b>Fraseri.</b> Tall bushy plants with loose heads of feathery white flowers; perennial; 2 feet.....	.20	.10
--	-----	-----

**FERNS**

Very desirable plants for ferneries.

<b>Adiantum</b> ( <i>Maiden Hair</i> ). Mixed.....	.65	.15
<b>Pteris Varieties.</b> Mixed.....	.65	.15
<b>Choice Mixed.</b> Choice collection.....	.65	.15

We can also furnish all other varieties of fern spores.

*Gaillardia, Grandiflora***GAILLARDIA** (*Blanket Flower*)

Compact tufts of silvery gray foliage with slender 2-foot spikes of gorgeously colored daisy-like flowers of immense size; flowers all summer; hardy perennial.

	Large Pkt.	Pkt.
<b>Grandiflora Compacta.</b> A compact variety; choice mixed colors; 12 to 15 inches.....	\$0.20	\$0.10
<b>Grandiflora Superba.</b> Splendid mixed, 2 ft.; oz., 6oc.	.15	.10
<b>Grandiflora Sanguinea.</b> Blood red flowers; 2 feet	.25	.15
<b>Sulphurea Oculata.</b> Sulphur yellow, maroon eye.	.30	.10
<b>Semi-Double.</b> Mixed.....	.30	.10

**GENTIANA** (*Blue Gentian*)

<b>Acaulis.</b> Dwarf hardy perennial; deep blue flowers; suited to moist, shady situations.....	.25	.10
--	-----	-----

**GEUM**

<b>Atrosanguineum Fl. Pl.</b> A beautiful hardy perennial, bearing large, showy flowers all through the summer; fine for bouquets; double, dark crimson flowers; 1½ feet.....	.25	.10
---	-----	-----

**GLOXINIA**

Showy, free-flowering plants for pot culture; producing magnificent flowers of the richest colors; 1 foot

	Large Pkt.	Pkt.
<b>Hybrida Grandiflora.</b> The best strain in existence, embracing all the choicest self-colored, and tigered and spotted flowers.....	\$0.75	\$0.25

*Gerbera Jamesoni***GERBERA** (*Transvaal Daisy*)

Splendid greenhouse perennials with large fine leaved, daisy-like flowers; splendid for pot plants or cutting.

	100 Seeds	Pkt.
<b>Jamesoni Gigantea.</b> Extra large flowers of brightest scarlet .....	\$1.25	\$0.25
<b>Jamesoni Hybrida.</b> These hybrids produce many colors and shades.....	1.25	.25

**GOLDEN ROD** (*Solidago Canadensis*)

	Large pkt.	Pkt.
A well-known hardy perennial; deep golden yellow flowers; 2 feet.....	\$0.15	\$0.05

**GREVILLEA** (*Silk Oak*)

A graceful decorative plant with fern-like foliage.....	.20	.10
---	-----	-----

*Gypsophila paniculata,***GYPSOPHILA** (*Baby's Breath*)

	Large pkt.	Pkt.
<b>Paniculata.</b> Hardy perennial; flowers in graceful sprays of white; 2 feet.....	oz., 5oc.	\$0.15 \$0.05
<b>Paniculata, fl. pl.</b> Double white.....		.20



*Helianthus***HELIENIUM** (Sneeze-Wort)

**Autumnale Superbum.** Perennial; succeeding in almost any kind of soil; large heads of golden yellow flowers; 5 to 6 feet; fall.....\$0.30 \$0.10

**HELIOPSIS** (Orange Sunflower)

**Pitcheriana.** Hardy perennial; deep orange yellow flowers the entire summer; excellent for cutting; 3 to 4 feet.....oz., 60c. .15 .10

**HELIOTROPE**

A highly prized plant on account of the delightful fragrance of the flowers; excellent for pots, or for bedding.

**Lemoine's Giant.** Produces a profusion of flowers nearly double the size of the old sort; mixed colors.....\$0.50 \$0.15

**Regal.** Of dwarf compact growth; immense flowers; all shades......50 .15

**Choice Mixed.** Of many varieties......25 .10

**Imported Collection.** 6 sorts......40

*New Giant Hibiscus***HIBISCUS** (Marshmallow)

Showy, ornamental plants, having large sized, beautiful bell-shaped flowers; perennial.

**New Giant (Mallow Marvel).** Mixed.....\$0.30 \$0.15

**Crimson Eye.** Large white flowers with crimson centre; 4 feet.....oz., 75c. .15 .10

**Golden Bowl.** Giant yellow, maroon centre......20 .10

**Moscheutos.** Large, rosy red flowers, with dark centre......15 .05

**HEUCHERA** (Alum Root)

**Sanguinea.** Splendid plant; spikes of vivid crimson flowers; excellent for cutting; 1 foot..... Large Pkt. Pkt. .50 .10

*Chater's Double Hollyhock***HOLLYHOCK**

One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

**CHATER'S IMPROVED DOUBLE HOLLYHOCK**

	Oz.	Large Pkt	Pkt.
Pink .....	\$1.50	\$0.30	\$0.10
Maroon .....	1.50	.30	.10
Red .....	1.50	.30	.10
Salmon .....	1.50	.30	.10
White .....	1.50	.30	.10
Yellow .....	1.50	.30	.10
Choice Mixed .....	1.00	.25	.10
Single Mixed .....	.75	.20	.10
Imported Collection. 6 colors.....			.40
Imported Collection. 12 colors.....			.75
<b>Allegheny.</b> Semi-double; mammoth flowers, edges fringed and lacinated; mixed.....oz., \$1.00		.25	.10
<b>Double Ever-blooming.</b> Colors range from white to deep black, yellow, pink, red and purple in mixture .....	oz., \$1.25	.30	.15
<b>Single Ever-blooming.</b> Mixed.....oz., 1.00		.25	.10



**INCARVILLEA** (Hardy Gloxinia)

**Delavayi.** Deeply cut hairy foliage with stout stalks terminated with 3 to 5 most beautiful pink, gloxinia-like flowers; May; 15 inches ..... Large pkt. Pkt. \$0.50 \$0.25

**IRIS** (Flowering Flag)

**Kaempferi** (*Japanese Iris*). Perennial; blooms the second year from seed; mixed colors..... .15 .10

**KENILWORTH IVY** (*Linaria Cymbalaria*)

A charming, neat trailing plant, for baskets, vases, pots, etc; flowers violet ..... .30 .05



Lathyrus (Everlasting Pea)

**LATHYRUS LATIFOLIUS** (Everlasting or Perennial Pea)

Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting.

	Oz.	Large pkt.	Pkt.
<b>Crimson.</b> Brilliant .....	\$0.50	\$0.15	\$0.10
<b>Pink Beauty.</b> Bright rosy-pink .....	.75	.20	.10
<b>White</b> .....	.50	.15	.10
<b>Choice Mixed.</b> All colors .....	.40	.15	.05

**LAVENDER** (*Lavandula Vera*)

Well-known perennial plant bearing long spikes of fragrant blue flowers; 18 inches..... .20 .05

**LILY OF THE VALLEY** (*Convallaria Majalis*)

Lovely plants, bearing pure white, fragrant, bell-shaped flowers early in spring..... .40 .10

**LOBELIA**

**Cardinalis** (*Cardinal Flower*). Hardy perennial; tall spikes of bright scarlet flowers; very showy.... .50 .10

**LYCHNIS**

One of the finest hardy perennials; of easy culture; excellent for massing in large beds or borders.

**Chalcedonica** (*Rose Campion*). Fine scarlet cross-like flowers; 2 feet; July ..... Large pkt. Pkt. .0z., 50c. \$0.15 \$0.05

**Haageana.** Brilliant, large, orange, scarlet, pink, and crimson flowers, mixed; 1 foot; July..... .25 .10

**LYTHRUM** (*Rose Loose-Strife*)

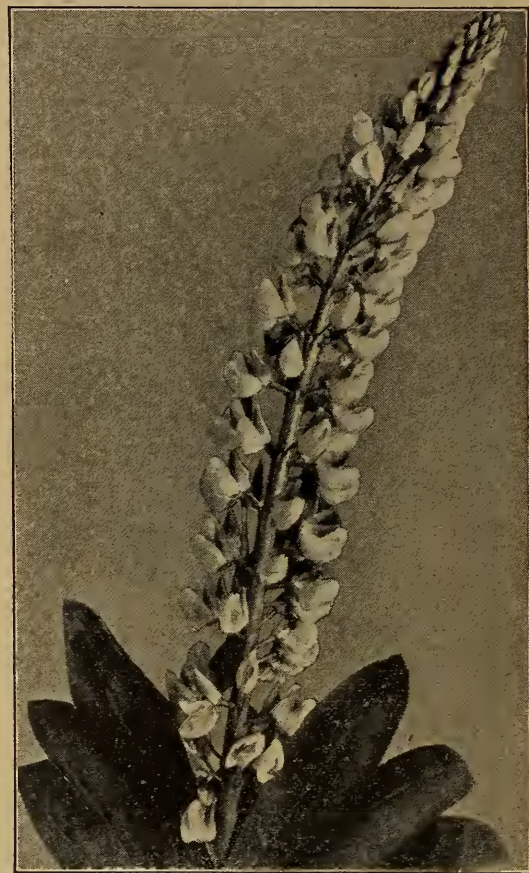
**Roseum Superbum.** Plants grow 3 feet high and produce spikes of rosy flowers from July to September; perennial ..... .15 .10

**MONARDA** (*Bee Balm or Bergamot*)

**Didyma.** Tall plants crowned with whorls of salvia-like, deep scarlet flowers; very showy and attractive; perennial; 4 feet; July-August ..... .65 .15

**MUSA ENSETE** (*Abyssinian Banana*)

A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in wet moss placed over heat. Per 10 seeds, 25c.



Lupinus

**LUPINUS** (*Lupin*)

A valuable and showy flower, blooming in six to eight weeks after sowing; valuable for cutting; seeds sown in greenhouse during the late summer and fall months will produce an abundance of bloom for winter.

	Oz.	Large pkt.	Pkt.
<b>Pink Beauty.</b> Delicate salmon pink .....	\$0.60	\$0.15	\$0.10
<b>Blue</b> .....	.40	.15	.05
<b>Pink</b> .....	.40	.15	.05
<b>Scarlet, White Tipped</b> .....	.40	.15	.05
<b>White</b> .....	.40	.15	.05
<b>Yellow</b> .....	.60	.15	.10
<b>Mixed.</b> Annual varieties .....	.25	.15	.05

**LUPINUS** (*Perennial Varieties*)

<b>Polyphyllus</b>	<b>Roseus, Pink</b> .....	1.00	.20	.10
"	<b>Blue</b> .....	.30	.15	.05
"	<b>White</b> .....	.30	.15	.05
"	<b>Yellow</b> .....	.40	.15	.10
"	<b>Mixed</b> .....	.30	.15	.05

**MIGNONETTE**

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; may also be forced in greenhouses during winter.

	Large pkt.	Pkt.
<b>Michell's Colossal.</b> Foliage, stalks and flowers are very robust, the flower-spike often averaging 18 inches; extremely fragrant .....	\$0.50	\$0.15
<b>Hoehl's Giant Flowering.</b> Very large spikes .....	.65	.15
<b>Allen's Defiance.</b> Spikes invariably attain a height of 12 to 15 inches; deliciously fragrant....	.0z., 60c. .20	.10
<b>Bismarck.</b> Compact plant of strong growth; stout spikes of large flowers .....	.25	.10
<b>Machet.</b> Large reddish tinted, sweet scented flowers .....	.0z., 50c. .15	.10
<b>Miles' Spiral.</b> Flowers whitish .....	.0z., 25c. .15	.05
<b>Golden Machet.</b> Large golden yellow .....	.0z., 50c. .15	.10
<b>Goliath.</b> Giant spikes of brilliant red flowers.....	.20	.10
<b>Parson's White.</b> Fragrant white flowers.....	.0z., 30c. .15	.05
<b>Sutton's Giant.</b> Reddish buff, original pkts.....	.30	
<b>Sweet Scented.</b> The popular garden sort.....	.0z., 15c. .05	



*Myosotis (Forget-Me-Not)***MYOSOTIS**

Neat and beautiful little plants with star-shaped flowers, succeeding best in a moist semi-shaded situation; perennials and hardy if given slight protection through the winter.

Large pkt. Pkt.

<b>Alpestris Victoria.</b> Of bushy habit; bearing large bright blue flowers; very fine; 6 in.....	\$0.30	\$0.10
<b>Dissitiflora.</b> Deep green foliage and attractive deep blue flowers; early flowering.....	.40	.10
<b>Eliza Fanrobert.</b> Large flowering, bright blue....	.25	.10
<b>Grandiflora Alba.</b> Large white flowers; 6 in.....	.25	.10
<b>Grandiflora Rosea.</b> Large pink flowers; 6 in.....	.25	.10
<b>Palustris.</b> The true Forget-Me-Not; bright blue flowers; 6 in.....	.40	.10
<b>Palustris Semperflorens.</b> Dwarf blue; flowers from early spring until autumn.....	.30	.10
<b>Royal Blue.</b> Upright grower; blue; 1 foot.....	.40	.10
<b>Ruth Fischer.</b> A compact plant with light blue flowers; splendid for pots.....	.65	.25
<b>Choice Mixed.</b> Various shades of blue, rose and white .....	oz., 75c.	.20 .05

**MICHELL'S GIANT PANSIES**

Seed sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring. Pansies thrive best in moist semi-shady situations.

**PANSIES IN MIXTURES**

**Michell's Giant Exhibition.** A blending of our own containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors.

Per oz., \$6.00; 1/8 oz., \$1.00. Large pkt. Pkt.

**Triumph of the Giants Mixed.** Immense flowers of great brilliancy and richness of coloring, including many new and rare shades.

Per oz., \$8.00; \$2.25 per 1/4 oz. .75 .50

**Bugnot, Odier and Cassier.** A superb mixture of giant blotched varieties.....1/8 oz., \$1.00 .65 .25

**Giant Trimardeau.** Very large flowering; all colors mixed ..... 1/4 oz., \$0.50 | .40 .10 |

**Mad. Perret.** Early flowering, fragrant, especially rich in red shades.....1/4 oz., \$1.25 .65 .25

**Masterpiece (Fricled Pansy).** Flowers beautifully curled or waved.....1/4 oz., \$1.50 .65 .25

**Odier or Blotched.** Beautiful strain.....1/4 oz., \$1.25 .65 .15

**Parisian Large Stained.** Choicest colors. 1/4 oz., \$0.75 ..... .50 | .15 |

**Finest English Mixed** ..... oz., \$1.50 | .30 .10 |

**Very Fine Mixed.** ..... oz., .75 | .20 .05 |

**Imported Collection.** 6 colors.....  | .40 |

**Imported Collection.** 12 colors.....  | .75 |

**PANSIES—Giant Prize in Separate Colors**

A strain secured from the leading Pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture. 1/4 Oz. Large pkt. Pkt.

**Giant Prize Azure Blue.** Violet blue.....\$1.00 \$0.50 \$0.15

" " **Black Blue.** Dark velvety.....1.00 .50 .15

" " **Emperor William.** Ultramarine blue ..... 1.00 | .50 .15 |

" " **Hortensia Red.** Scarlet.....1.25 .50 .15

" " **King of the Blacks.** Black....1.00 .50 .15

" " **Lord Beaconsfield.** Violet.....1.00 .50 .15

" " **Peacock.** Upper petals blue, lower petals deep claret with white margin ..... 1.25 | .50 .15 |

" " **Snow Queen.** Pure white.....1.00 .50 .15

" " **Striped and Mottled** ..... 1.00 | .50 .15 |

" " **White with dark eye**.....1.00 .50 .15

" " **Pure Yellow** ..... 1.00 | .50 .15 |

" " **Yellow with dark eye**.....1.00 .50 .15

*Pansy—Michell's Giant Exhibition***PANSIES—Regular Sorts in Separate Colors**

	Oz.	Large pkt.	Pkt.
<b>Belgian Striped.</b> Showy .....	\$1.50	\$0.30	\$0.10
<b>Emperor William.</b> Ultramarine blue .....	1.50	.30	.10
<b>Faust (King of the Blacks).</b> Almost black..	1.50	.30	.10
<b>Gold Margined.</b> Purple, golden edge.....	1.75	.30	.10
<b>Havana Brown</b> .....	1.75	.30	.10
<b>Lord Beaconsfield.</b> Violet .....	1.75	.30	.10
<b>Mahogany Colored</b> .....	1.50	.30	.10
<b>Silver Edged.</b> Purple, silver edge.....	1.50	.30	.10
<b>Snow Queen.</b> Pure white.....	1.50	.30	.10
<b>White with dark eye</b> .....	1.75	.30	.10
<b>Yellow Gem.</b> Pure yellow.....	1.75	.30	.10
<b>Yellow with dark eye</b> .....	1.75	.30	.10

**SPECIAL OFFER.** We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

**SPECIAL OFFER.** We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.



**PASSIFLORA** (Passion Flower)

Ornamental climbing plants for the greenhouse or the garden; mixed colors..... Large pkt. Pkt. \$0.25 \$0.10

**PENTSTEMON** (Beard Tongue)

A beautiful perennial plant producing large spikes of handsome flowers. Large pkt. Pkt.

**Barbatus Torreyi.** Spikes of brilliant coral red, very effective; 3 to 4 feet..... \$0.15 \$0.10

**Digitalis.** Spikes of white flowers, with purple throat; July and August..... .15 .10

**Hartwegi Albus (New).** Large, open throated, gloxinia-like blooms, clear white; 2½ feet..... .50 .15

**Sensation.** Plants produce large spikes of gloxinia-like flowers of the most brilliant colors; 2 feet; requires protection..... .40 .15

**Mixed.** Produces large spikes of handsome flowers; 3 feet ..... .15 .05

**PHLOX** (Hardy)

**Decussata.** For a gorgeous show these are one of the most satisfactory of all perennials; plants 2 feet high, in all bright colors; sow seeds late in fall and they will germinate in the spring; mixed colors only..... ¼ oz., 50c. .30 .10

**PHYSOSTEGIA** (False Dragon Head)

A pretty hardy perennial, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August. Large pkt. Pkt.

**Virginica.** Pink ..... \$0.20 \$0.10

**Virginica Alba.** White ..... .30 .10

**POLYANTHUS** (Primula Elatior)

Beautiful spring flowering hardy perennials, either for pot culture or for the garden; 9 inches. Large pkt. Pkt.

**Gold Laced.** Showy and attractive..... \$0.50 \$0.15

**Double Mixed.** Beautiful colors ..... .65 .15

**English Mixed.** The best single..... .30 .10



Poppy—Oriental Hybrids

**POPPY** (Perennial)

**Giant Scarlet (Bracteatum).** Extra large flowers; 3 feet ..... Large pkt. Pkt. \$0.15 \$0.10

**Iceland (Nudicaule) Single Mixed.** Colors range from white and yellow to deep orange scarlet; useful for cutting; 12 inches..... .20 .10

**Iceland, White** ..... .20 .10

**" Yellow** ..... .20 .10

**" Double Mixed.** 1 foot ..... .30 .10

**Orientele.** Extra large flowers; deep scarlet..... .25 .10

**" Mrs. Perry.** Rich salmon pink..... .50 .10

**" Hybrids.** Mixed colors..... .30 .10

**Imported Collection.** Perennial poppies, 8 varieties. .40

**PAEONY**

**Mixed.** Hardy, herbaceous plants; will bloom the third year from seed; double and semi-double..... .30 .10

**PLATYCODON** (Chinese Bell Flower)

A very desirable perennial, of erect bushy growth; very handsome for garden decoration. Large pkt. Pkt.

**Grandiflorum, Blue.** Hardy perennial; large bell-shaped flowers; 2 to 3 feet..... \$0.25 \$0.05

**Grandiflorum, White** ..... .25 .05

**Japonicus Fl. Pl. (Double Japanese Bell Flower).**

Large, glossy, deep blue flowers..... .40 .15



Michell's Prize Chinese Primula

**PRIMULA****FRINGED CHINESE PRIMROSE**

Our strains are unsurpassed and have won many first prizes. Large pkt. Pkt.

**Michell's Prize Mixture.** This mixture contains only the very finest sorts selected from the best strains ..... \$0.75 \$0.25

**Alba Magnifica.** White flowers with yellow eye.. .75 .40

**Chiswick Red.** Brilliant red..... .75 .40

**Duchess.** Large; white with zone of rosy carmine, yellow eye..... .75 .40

**Holborn Blue.** A beautiful shade..... .75 .40

**Kermesina Splendens.** Crimson..... .75 .40

**Rosy Morn.** Delicate pink..... .75 .40

**Stellata (Sutton's).** Excellent pot plant; mixed.. .75 .25

**Fern Leaved.** Choicest mixed colors..... .75 .25

**Imported Collection.** 8 varieties..... .75

**PRIMULA OBCONICA GIGANTEA**

Flowers much larger than the old type.

**Lilacina.** Pale lilac ..... \$0.65 \$0.20

**Rosea.** Pink ..... .65 .20

**Kermesina.** Crimson ..... .65 .20

**Alba.** White ..... .65 .20

**Hybrida Mixed** ..... .65 .20

**PRIMULA OBCONICA GRANDIFLORA**

**Compacta.** Dwarf, compact plants with rosy lilac flowers ..... .65 .25

**Fimbriata.** Flowers fringed; mixed colors..... .65 .15

**Vesuvius.** Deep crimson..... .65 .25

**Crispa.** Flowers large, curled; color, from apple blossom pink to rose..... .65 .20

**VARIOUS SORTS**

**Malacoides.** Resembles Primula Forbesi; flowers larger; color, light lilac..... .65 .20

**Malacoides Rosea.** Light rose to carmine rose... .65 .20

**Malacoides Alba.** Pure white flowers..... .65 .20

**Primula Kewensis (Verbena Scented Yellow Primrose).** Spikes each 12 to 18 inches long; color, soft yellow ..... .65 .25

**Buttercup.** Yellow flowers; fine for pots..... .65 .25

**Forbesi (Baby Primrose).** Small flowers; fine for pots; color, rosy lilac ..... .65 .15

**Cortusoides Sieboldii.** Hardy perennial variety; also fine for pots; mixed colors..... .65 .15

**Veris (English Cowslip).** Hardy perennial; fragrant; mixed ..... .20 .10

**Vulgaris (English Primrose).** The common hardy English variety; canary yellow..... .40 .10



**PUERARIA THUNBERGIANA** (Kudzu Vine)

Large Pkt. Pkt.

One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms .....\$0.20 \$0.10



Pyrethrum—Double

**PYRETHRUM** (Perennial)

Large Pkt. Pkt.

**Roseum.** Flowers bright rose color; July; 2 feet. \$0.30 \$0.10  
**Uliginosum.** Large, single white flowers; September; 6 feet ..... .30 .10  
**Hybridum Single Mixed.** Large flowers ranging in color from light pink to deep red, with bright yellow centres; July; 2 feet..... .30 .10  
**Hybridum Double Mixed.**..... .65 .25



Scabiosa Caucasica

**SCABIOSA**

Handsome perennial border plants flowering the entire season.

**Caucasica.** Soft blue ..... Large Pkt. Pkt. \$0.40 \$0.10  
**Caucasica Alba.** Pure white ..... .50 .10  
**Japonica.** Lavender ..... .25 .10

**RUDBECKIA** (Coneflower)

Large Pkt. Pkt.

**Newmani.** Large yellow flowers with black centre; perennial; 2 feet; all summer .....\$0.40 \$0.10  
**Purpurea** (*Giant Purple Cone Flower*). Hardy perennial; reddish purple flowers, with dark brown disc; 3 feet ..... .30 .10

**SAINTPAULIA** (African Violet)

**Ionantha.** Beautiful greenhouse plants, bearing a profusion of flowers resembling the violet both in color and shape ..... .25

**SALVIA**

**Azurea Grandiflora.** Hardy perennial; producing during August and September spikes of pretty sky-blue flowers; 2 feet ..... .30 .10  
**Farinacea.** A perennial variety, but best treated as an annual; color, light blue; 2 feet..... .30 .10



Schizanthus—Wisetonensis

**SCHIZANTHUS** (Butterfly Flower)

One of our finest hardy annuals, bearing a profusion of pretty butterfly-like flowers of various colors; also desirable for winter blooming in pots.

Large Pkt. Pkt.

**Hybridus Grandiflorus.** Free flowering plants covered with flowers of many shades of orchid-like appearance; 12 inches .....\$0.25 \$0.10  
**Wisetonensis.** A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre..... .50 .20  
**Grandiflorus Maximus.** Flowers extra large and of various colors ..... .20  
**Mixed.** Various colors ..... .15 .05

**SHAMROCK**

**True Irish.** Small leaved ..... .30 .10

**SMILAX**

A desirable greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm water before sowing.....oz., 50c. .15 .10

**STATICE** (Everlasting Flower)

**Latifolia.** Hardy perennial variety, with large, deep blue flowers; 2 feet..... .30 .10



# MICHELL'S "DISTINCTIVE" STOCKS

The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

## MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

	1/8 oz.	Large pkt.	Pkt.
White	\$.75	\$0.40	\$0.15
Flesh Color	.75	.40	.15
Rose	.75	.40	.15
Light Blue	.75	.40	.15
Dark Blue	.75	.40	.15
Blood Red	.75	.40	.15
Mixed Colors	.75	.40	.15

## MICHELL'S COLUMN STOCK

Stout plants produce just one giant spike, lined with mammoth flowers; height, 3 feet.

	1/8 oz.	Large pkt.	Pkt.
Blood Red	\$.75	\$0.40	\$0.15
Pure White	.75	.40	.15

## LARGE-FLOWERED DWARF TEN-WEEK STOCK

	1/8 oz.	Large pkt.	Pkt.
Blood Red	\$.75	\$0.30	\$0.10
Light Blue	.75	.30	.10
Pink	.75	.30	.10
Purple	.75	.30	.10
White	.75	.30	.10
Yellow	.75	.30	.10
Choice Mixed	.50	.30	.10
Imported Collection. 8 varieties			.50

## VARIOUS STOCKS

Wall-flower Leaved. Glossy deep green foliage with flowers in all shades.	\$.30	\$0.10
Brompton or Winter. Fine for forcing under glass or early summer flowering outdoor.	.40	.10
Princess Alice (Cut-and-Come-Again). Branching plants with double pure white flowers; fine for cutting.	1/8 oz., 75c.	.40 .10
Bismarck. A splendid sort for cutting; immense pure white flowers on long spikes.	.40	.15
White Lady. A new Winter Stock, with large double flowers of a lustrous snowy white.	.40	.25

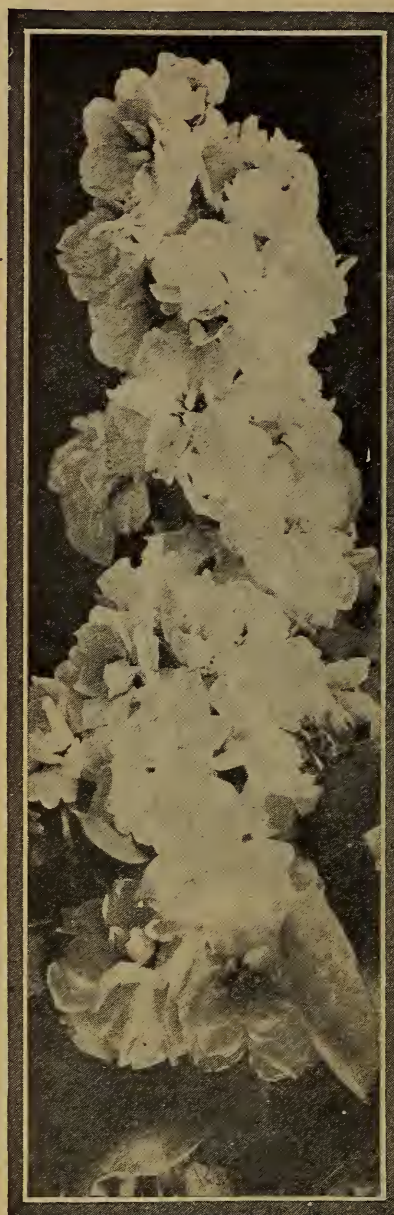


Stokesia, Cyanea

## STOKESIA (Cornflower or Stokes' Aster)

A desirable hardy perennial, bearing freely from July to October, handsome Centaurea-like blossoms; 1 1/2 to 2 feet.

	Large pkt.	Pkt.
Cyanea. Light blue	\$.25	\$0.10
Cyanea Alba. Pure white	.30	.10



Michell's "Nice" Stock

## MICHELL'S "NICE" STOCK

An early flowering strain; remarkable free bloomer, producing an abundance of large double, fragrant flowers on a single plant; fine for garden bedding or cutting.

**Beauty of Nice.** Delicate soft pink. Pkt., 15c.; 40c. large pkt.

**Crimson King.** Brilliant fiery crimson. Pkt., 15c.; 40c. large pkt.

**Queen Alexandra.** Delicate lavender. Pkt., 15c.; 40c. large pkt.

**Victoria.** Pure white Pkt., 15c.; 40c. large pkt.

**Abundance.** Of dwarf spreading habit, bearing a profusion of flowers; color, a beautiful shade of carmine rose. Pkt., 15c.; 40c. large pkt.

**La Brillante.** Rich brilliant crimson. Pkt., 20c.; 40c. large pkt.

**Midsummer Night.** Deep dark violet. Pkt., 15c.; 40c. large pkt.

**Mme. Rivoire.** Early flowering; color, pure white. Pkt., 15c.; 40c. large pkt.

## MICHELL'S CHRISTMAS OR WINTER FLOWERING Sweet Peas

	Pkt.	Oz.	1/4 Lb.
Michell's Snowdrift. Pure white; black seeded; extra early	\$.10	\$0.35	\$1.00
Christmas Meteor. Scarlet	.10	.25	.75
" Pink. Pink and white	.10	.25	.75
" White (Florence Denzer)	.10	.25	.75
Le Marquis. Large dark blue	.10	.25	.75
Mrs. Alex. Wallace. Lavender	.10	.25	.75
Mrs. Chas. H. Totty. Lavender	.10	.25	.75
Mrs. F. J. Delansky. Daybreak pink	.10	.25	.75
Mrs. Geo. Lewis. Pure white	.10	.25	.75
Mrs. William Sim. Salmon pink	.10	.25	.75
Mrs. W. W. Smalley. Satin pink	.10	.25	.75
Watchung. Pure white	.10	.25	.75
Mixed. Winter flowering	.10	.25	.75

For other varieties of Sweet Peas see next page



# MICHELL'S SWEET PEAS

49

For early blooming outdoors we recommend sowing seed the latter part of November and covering with 2 or 3 inches of leaves or litter; these will bloom the following year much earlier than spring sown seed.

## SPENCER, or ORCHID FLOWERED VARIETIES

These are distinguished from the standard sorts by the enormous flowers with crinkled and wavy petals and also from the fact that they usually bear four blossoms on a stem.

	Pkt.	Oz.	¼ lb.	Lb.
Apple Blossom Spencer. Rose and pink .....	\$0.10	\$0.25	\$0.75	\$2.75
Asta Ohn Spencer. Rich lavender .....	.10	.25	.75	2.75
Blanche Ferry Spencer. Pink and white .....	.10	.25	.75	2.75
Captain of the Blues Spencer. Deep blue .....	.10	.30	.85	3.00
Countess Spencer. Soft rose pink .....	.10	.25	.75	2.75
Dobbie's Cream. Cream or primrose yellow....	.10	.35	1.00	3.50
Duplex Spencer. Large; creamy pink .....	.10	.30	.85	3.00
Elfrida Pearson. Light pink, margined darker...	.10	.30	.85	3.00
Ethel Roosevelt. Soft primrose, flaked crimson..	.10	.30	.85	3.00
Fiery Cross. Intense orange scarlet .....	.25			
Flora Norton Spencer. Light lavender .....	.10	.25	.75	2.75
Florence Morse Spencer. Delicate blush .....	.10	.25	.75	2.75
Florence Nightingale. Extra large; lavender ...	.10	.30	.85	3.00
Frank Dolby. Mauve lavender .....	.10	.20	.60	2.00
George Herbert. Rose pink .....	.10	.25	.75	2.50
Gladys Unwin. Delicate pink .....	.10	.15	.50	1.50
Helen Lewis. Orange pink .....	.10	.25	.75	2.25
Hercules. Giant pure pink .....	.10	.50	1.75	6.00
Illuminator. Rich salmon pink .....	.10	.60	2.00	6.50
King Edward Spencer. Crimson scarlet .....	.10	.25	.75	2.50
King White. Gigantic pure white .....	.15	.60	2.00	6.50
Margaret Atlee. Salmon pink on cream ground..	.15	.60	1.75	6.25
Mrs. Hugh Dickson. Salmon pink on cream....	.10	.25	.75	2.50
Mrs. Routzahn Spencer. Buff pink .....	.10	.25	.75	2.50
Nora Unwin. Immense flower; pure white.....	.10	.20	.60	2.00
Nubian. Maroon or deep chocolate.....	.10	.40	1.25	4.00
Othello Spencer. Deep maroon .....	.10	.30	.85	3.00
Primrose Spencer. Light yellow .....	.10	.25	.75	2.50
Queen Alexandra. Bright scarlet .....	.10	.25	.75	2.50
Robert Sydenham. Orange .....	.15	.75	2.50	9.00
Rosabelle. Giant rose .....	.10	.60	1.75	6.00
Royal Purple. Rich purple .....	.15	.85	3.00	
Sterling Stent. Salmon suffused with orange....	.10	.35	1.00	3.50
Thomas Stevenson. Orange scarlet .....	.10	.30	.85	3.00
Vermilion Brilliant. Intense scarlet .....	.15	.50	1.50	5.00
Wedgewood. A lovely self blue .....	.10	.50	1.50	5.50
White Spencer. Clear white .....	.10	.25	.75	2.75



Spencer or Orchid Sweet Peas

## NEW EARLY FLOWERING LONG SEASON SPENCER SWEET PEAS

One of the chief characteristics of these varieties is their long-season period of blooming, frequently remaining in bloom for four months. They are a cross made from the old Early Flowering or Christmas Grandiflora types on the late or standard Spencers as parents. The flowers are of large size, of the best Spencer form, and are borne in threes and fours on long stems.

Early Morning Star. Deep orange scarlet or flame color in standard, with rich, orange pink wings .....	\$0.25	\$2.25	\$7.50
Early Song Bird. Pale pink on white ground .....	.25	1.75	6.00
Early Melody. Rose pink on white ground..	.25	1.75	6.00
Early Snow Flake. Pure white .....	.25	2.25	7.50
Early Heather Bell. A beautiful mauve lavender .....	.25	1.75	6.00

## WINTER FLOWERING SPENCER OR ORCHID SWEET PEAS

**Rose Queen.** One of the finest varieties yet introduced. Flowers are borne freely on long stems, are of large size, and usually four flowers are produced on a stem. Color, a most attractive shade of pink. Pkt., 50c.; \$2.00 per ¼ oz.; oz., \$7.00.

**Yarrowa.** Flowers exquisitely waved, and of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings. Pkt., 15c.; 60c. per ¼ oz.; per oz., \$1.50; \$5.25 per ¼ lb.

Mrs. A. A. Skaach. Clear, light pink .....	\$0.25	\$0.60	\$2.00
Mrs. M. Spanolin. Pure white .....	.25	.60	2.00
Pink and White Orchid .....	.25	.60	2.00
White Orchid .....	.25	.60	2.00
Lavender Pink Orchid .....	.25	.60	2.00
Lavender Nora .....	.15	.30	1.00
Red Orchid .....	.25	.60	2.00
Venus. White, blushed pink .....	.25	.60	2.00
Mixed Colors .....	.15	.40	1.25

## STANDARD VARIETIES

	Oz.	¼ lb.	Lb.
Blanche Burpee. Large white .....	\$0.15	\$0.40	\$1.25
Blanche Ferry. Pink and white .....	.15	.40	1.25
Dorothy Eckford. Extra large white .....	.15	.40	1.25
Duke of Westminster. Standard clear purple, wings violet .....	.15	.50	1.50
Emily Henderson. Pure white .....	.15	.40	1.25
Flora Norton. Delicate lavender .....	.15	.50	1.50
Hon. Mrs. E. Kenyon. Primrose yellow ..	.15	.40	1.25
Katherine Tracy. Soft but brilliant pink...	.15	.40	1.25
King Edward VII. Crimson scarlet .....	.15	.50	1.50
Lady Grisel Hamilton. Pale lavender.....	.15	.40	1.25
Lord Nelson. Rich navy blue .....	.15	.40	1.25
Lovely. Soft shell pink .....	.15	.40	1.25
Miss Willmott. Deep orange pink .....	.15	.50	1.50
Othello. Very dark maroon .....	.15	.40	1.25
Prima Donna. Lovely soft pink .....	.15	.40	1.25
Prince of Wales. Rose crimson .....	.15	.40	1.25
Queen Alexandra. Large scarlet .....	.15	.40	1.25
Salopian. Scarlet .....	.15	.50	1.50

Price, any of the above Standard Varieties, 5c. per pkt.

## SWEET PEAS IN MIXTURE

**Michell's Superb Spencer or Orchid Mixture.**—We blend this ourselves from only the Giant Waved Spencer varieties, including a number of new hybrids of exquisite color and shades. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

**Michell's Magnificent Mixture.**—A selection of only the large flowering standard varieties, a large percentage of which are of the lighter colors and shades. Pkt., 5c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

**Michell's Gilt Edge Mixture.**—This mixture contains large flowering varieties and represents almost every color and shade in Sweet Peas. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; \$1.00 per lb.



**SUNFLOWER** (*Helianthus*)

Showy perennials, blooming the whole summer. Large Pkt. Pkt.  
**Golden Bouquet.** Single yellow flowers; 5 feet....\$0.25 \$0.10  
**Choice Mixed.** Single flowering ..... .40 .10

**SWEET ROCKET** (*Hesperis*)

**Mixed.** Fragrant white and purple flowers; perennial; 2 to 3 feet..... .15 .05



Sweet William

**SWEET WILLIAM** (*Dianthus Barbatus*)

This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high.

	Oz.	Large Pkt.	Pkt.
<b>Single Crimson</b> .....	\$0.50	\$0.15	\$0.05
" <b>Velvety Maroon</b> .....	.50	.15	.05
" <b>White</b> .....	.50	.15	.05
" <b>Mixed.</b> All colors .....	.30	.15	.05
<b>Pink Beauty.</b> Fine salmon pink .....		.40	.15
<b>Scarlet Beauty.</b> Rich deep scarlet .....		.50	.15
<b>Auricula Flowered.</b> A beautiful class of "eyed" single varieties, all colors mixed....	.75	.20	.05
<b>Double Mixed</b> .....	1.00	.20	.10

**TRITOMA** (*Red Hot Poker Plant*)

**Uvaria Grandiflora.** Large spikes of orange-scarlet flowers; perennial; 3 to 4 feet ..... .30 .10

**VALERIANA** (*Garden Heliotrope*)

Hardy perennial border plants; fragrant flowers; 2 to 3 ft. Large Pkt. Pkt.  
**Mixed** .....\$0.15 \$0.05

**VERONICA** (*Speedwell*)

An elegant hardy perennial of easy culture; valuable as a cut flower or for garden effect. Plants grow bushy and produce long spikes of flowers. Large Pkt. Pkt.

**Spicata.** Bright blue; 18 inches.....\$0.30 \$0.10  
**Virginica.** White; 3 to 5 feet..... .30 .10

**VIOLA CORNUTA** (*Tufted Pansies*)

These resemble pansies in shape and form, with the additional quality that they are of long stems, and appear uninterruptedly from early spring till snow flies. Large Pkt. Pkt.

**Admiration.** Dark blue .....\$0.30 \$0.10  
**Mauve Queen.** Lovely mauve color ..... .30 .10  
**Perfection.** Light blue ..... .30 .10  
**White Perfection.** Pure white ..... .30 .10

**VIOLA** (*Scotch Bedding Pansies*)

These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the Viola Cornuta. Large Pkt. Pkt.

**Golden Gem.** Yellow .....\$0.50 \$0.15  
**Lutea Splendens.** Rich golden yellow..... .30 .10  
**Snowflake.** Pure white ..... .50 .15  
**Mixed.** From the best named Scotch varieties..... .65 .25

**VIOLET Sweet Scented** (*Viola Odorata*)

Well-known, fragrant spring-blooming plants. Large Pkt. Pkt.  
**Single Blue Czar.** Dark blue .....\$0.40 \$0.10  
**Single White Czar.** Large white ..... .40 .10  
**Single Mixed.** Blue and white ..... .40 .10

**WALLFLOWER**

While these are perennials, they are not perfectly hardy; the plants should be lifted late in the fall and planted in a cold-frame, and removed to the garden again in the spring; the flowers are fragrant and splendid for cutting; double varieties, 2 feet; single varieties, 1½ feet. Large Pkt. Pkt.

**Double Brown** .....\$0.50 \$0.10  
 " **Yellow** ..... .50 .10  
 " **Mixed.** All colors ..... .40 .10  
**Single Mixed** .....oz., 30c. .15 .05  
**Imported Collection.** 6 double varieties ..... .50

**Paris Extra Early.** A single-flowering variety, which may be treated as an annual, flowering the first year from seed.

Large Pkt. Pkt.  
**Blood Red** .....\$0.20 \$0.10  
**Yellow** ..... .20 .10  
**Mixed.** All colors .....oz., 60c. .15 .10

**MICHELL'S COLLECTION OF HARDY PERENNIAL FLOWER SEEDS**

One packet each of the following varieties for \$1.25.

<b>Aquilegia.</b> Single Mixed.	<b>Heuchera.</b> Sanguinea.
<b>Calliopsis.</b> Lanceolata	<b>Hollyhock.</b> Double Mixed.
Grandiflora.	<b>Lobelia.</b> Cardinalis.
<b>Campanula.</b> Pyramidalis.	<b>Phlox.</b> Decussata. Mixed.
<b>Delphinium.</b> Formosum.	<b>Poppy.</b> Orientale.
<b>Dianthus.</b> Clove Scented.	<b>Pyrethrum.</b> Single, Mixed.
<b>Digitalis.</b> Gloxiniaeflora	<b>Scabiosa.</b> Caucasica.
Mixed.	<b>Stokesia.</b> Cyanea.
<b>Gaillardia.</b> Grandiflora.	<b>Sweet William.</b> Double.
<b>Gypsophila.</b> Paniculata.	<b>Mixture of Perennial Flowers.</b>

**MICHELL'S PERENNIAL FLOWER GARDEN MIXTURE**

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many hundred varieties of the choicest old-fashioned flowers. Pkt., 10c.; 1 oz., 40c.; \$1.25 per ¼ lb.



Viola Cornuta



# MICHELL'S SUPERIOR MUSHROOM SPAWN 51



**IF WANTED BY MAIL, ALLOW FOR POSTAGE**

Mushrooms are within the reach of any one who has a greenhouse or a cellar. A crop is produced with good spawn, a little care and patience in about 4 to 6 weeks, and continues in bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March.

Get a quantity of absolutely fresh horse manure and remove the excessive heat by turning it once a day, for 3 days, or until the temperature has fallen to about 100 degrees. Then form a bed 8-10 inches deep and allow it to remain undisturbed, until the temperature has fallen to 80 degrees. Now is the time to plant the spawn.

Break the bricks in pieces the size of a walnut, and place at regular intervals of 1 to 2 inches below the surface of the bed in distance to plant 8 square feet with one brick, compress the manure after spawning to make the bed solid. Nothing now must be done until the bed has a whitish appearance which shows that the spawn is running, nor must it be watered previously. Now place a layer of fine sifted soil, (which should be procured in advance) to the depth of 1 to 2 inches on the bed. With an occasional sprinkling when dry, the bed should begin to produce in from 4 to 6 weeks from spawning time, conditions being favorable. **New beds must be made at each planting.**

Send for our free booklet "Mushrooms, How to Grow Them Successfully."

## BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain originating in the section of Pennsylvania that supplies the New York and Eastern markets with mushrooms. It appears to be especially full of life and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per Brick (P. P. Wt., 1 3/4 lbs.) .....	\$0.35	Per 10 Bricks.....	\$2.75
Per 5 Bricks.....	1.50	Per 25 Bricks.....	6.50
		Per 50 Bricks.....	12.50

## LAMBERT'S AMERICAN PURE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen mushrooms and is propagated and transferred to the bricks of manure, which, when planted, produce mushrooms all of one type.

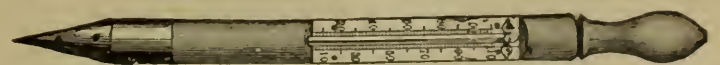
**Direct No. 8. Cream White.** For use from April to October.

**Direct No. 9. Pure White.** For use from October to April.

Per Brick (P. P. Wt., 2 lbs.) .....	\$0.30	Per 10 Bricks.....	\$2.30
Per 5 Bricks.....	1.25	Per 25 Bricks.....	5.60
		Per 50 Bricks.....	10.50

## MICHELL'S SUPERIOR ENGLISH MUSHROOM SPAWN

15c. per brick (P. P. Weight, 1 1/4 lbs. per brick); per doz., \$1.60; 25 lbs., \$2.50; \$8.00 per 100 lbs.



## MUSHROOM OR HOT BED THERMOMETERS

Heavy Iron Point style, \$1.00 | Heavy Brass Point style, \$1.50

Thermometers should, wherever possible, be sent by express. We do not guarantee safe arrival if forwarded by parcel post.

## Books on Growing Mushrooms

Pamphlet (gratis for a postal card asking for it).

Robinson's Book (postpaid) ..... \$c.50

Falconer's Book (postpaid) ..... 1.00

## A FEW OF THE MANY TESTIMONIALS

Punxsutawney, Pa.

Last fall I purchased a brick of spawn from you and I want to tell you, it is wonderful the way the mushrooms grew. I planted the brick in a bed about 5x9 feet and that bed was one solid mass of mushrooms and it was the curiosity of the town, as people came from all over to see it.

E. J. BAKER.

South Manchester, Conn.

The mushroom spawn I had from you last Fall is the best I ever had.

PETER ZUGER.



# MICHELL'S SEASONABLE VEGETABLE SEEDS

For complete list see our General Seed Catalog, mailed free on request.

## WE PAY POSTAGE AND PACKING CHARGES

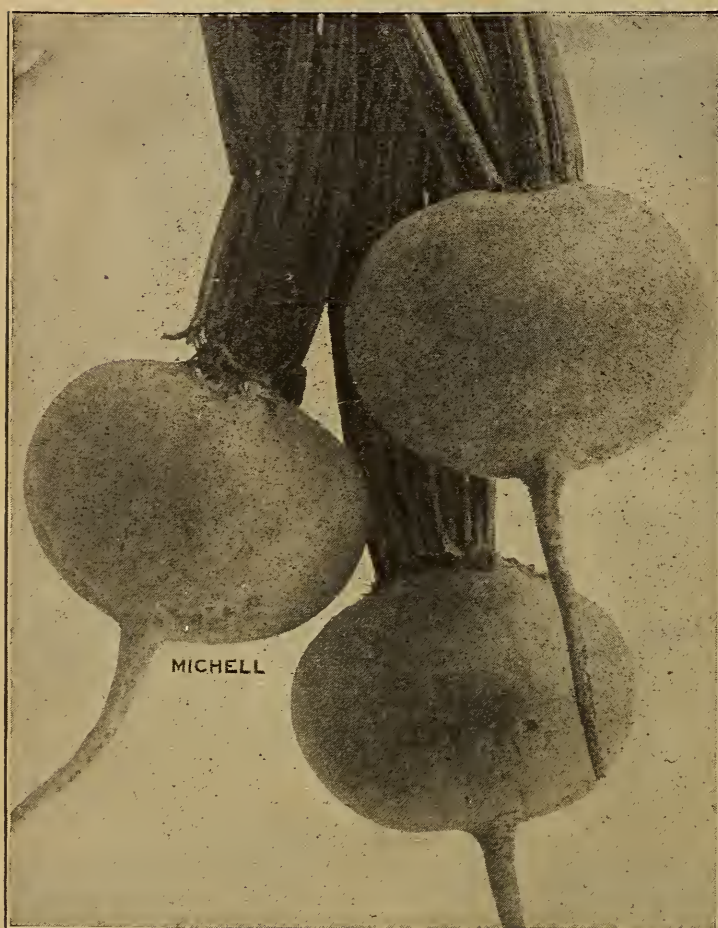
(Except as noted)

on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (pints and quarts of beans, corn, cowpeas and mixed grass seeds, are **not included**), or such other seeds where mention is made in catalogue. If all seeds are wanted by mail, remit for postage at the following rates. (Consult your post office for weight limits.)

No charge is made for boxes, packing or bags, except for two-bushel seamless sacks, 22c. each, which are returnable for credit at the price charged.

### Mailing weights of seeds usually ordered in measured quantity

Corn, 1 pint.....1 lb.	Beans, 1 pint.....1 lb.
Corn, 1 quart.....2 lbs.	Beans, 1 quart.....2 lbs.
Peas, 1 pint.....1 lb.	Lawn seed, 1 pint.....½ lb.
Peas, 1 quart.....2 lbs.	Lawn seed, 1 quart.....1 lb.



Crosby's Egyptian Beet

### BEET—Table Varieties

	Pkt	Oz.	¼ lb.	Lb.
Arlington Favorite Blood (Turnip) ..	\$0.05	\$0.15	\$0.40	\$1.25
Bassano Extra Early (Turnip) .....	.05	.10	.30	1.10
Bastian's Early Turnip.....	.05	.15	.35	1.25
Bastian's Half Long Blood .....	.05	.10	.30	1.00
Crimson Globe (Michell's Improved) .	.05	.15	.40	1.50
Crosby's Egyptian (Turnip) .....	.05	.15	.40	1.50
Detroit Dark Red (Turnip) .....	.05	.15	.40	1.50
Eclipse Extra Early (Round) .....	.05	.10	.30	1.10
Edmand's Blood (Turnip) .....	.05	.10	.35	1.15
Lentz Turnip .....	.05	.10	.30	1.00
Winter Keeper .....	.10	.20	.70	2.50
Swiss Chard. Silver Leaved .....	.05	.10	.30	1.00
Swiss Chard. Giant Lucullus .....	.05	.15	.50	1.50

## BEANS FOR FORCING

These are a very prolific crop in the greenhouse during the winter months. They require little care except warmth, etc.

**Sion House.** A round podded sort, especially Pkt. Pt. Qt.  
suited for forcing. A great producer .....\$0.10 \$0.30 \$0.60

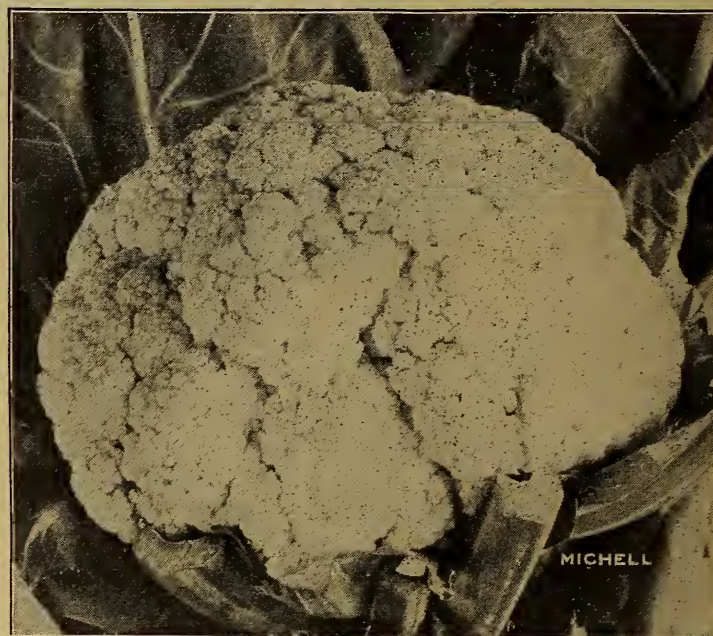
**Triumph of the Frames.** For forcing, it is especially desirable; the pods are round, thin and tender, but very long ..... .10 .40 .75

## ENGLISH CUCUMBERS

(For Forcing)

They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sort can approach them.

*Lockie's Perfection, Sion House, Telegraph, Tender and True.*  
Each per packet of 12 seeds, 25c.; \$2.00 per 100 seeds.



Michell's Selected Snowball Cauliflower

## CAULIFLOWER

(Varieties Suitable for Forcing)

**Matador.** A splendid forcing variety. Although not quite as large as Snowball or Erfurt, it can stand any degree of heat and is extremely hardy in hot beds. 15c. pkt.; ¼ oz., 75c.

**Michell's Earliest Snowstorm.** Colossal heads of purest white, averaging often 10 inches in diameter; being very long and compact, it gives enormous weight to the individual heads; especially desirable for its earliness under glass. Pkt., 25c.; 50c. per large pkt.; ¼ oz., \$1.50; \$2.50 per ½ oz.; 1 oz., \$5.00.

**Michell's Special Strain Selected Erfurt.** One of the earliest in cultivation, small leaved dwarf; splendid forcer; the head is not as large as the Snowstorm sort. Pkt., 20c. and 50c.; 85c. per ¼ oz.; ½ oz., \$1.50; \$2.75 per oz.

**Early Snowball.** A splendid early variety, producing magnificent medium size white heads. Pkt., 20c. and 50c.; 85c. per ¼ oz.; ½ oz., \$1.50; \$2.75 per oz.

## CAULIFLOWER PLANTS

Pot Grown

For autumn planting in cold frames; ready about November 1st.

	Per Doz.	Per 100
Early Snowball .....	\$0.50	\$4.00
Early Erfurt .....	.50	4 00



# MICHELL'S SEASONABLE VEGETABLE SEEDS

53

## FORCING CARROTS

<b>Early Half Long Scarlet.</b> A very desirable pointed root variety of fine flavor and good color .....	Pkt. \$0.05	Oz. \$0.15	¼ lb. \$0.55	Lb. \$2.00
<b>Rubicon Half Long.</b> Of excellent shape and extremely well adapted for early forcing .....	.05	.15	.55	2.00
<b>Very Early Short Horn or French Forcing.</b> An early forcing variety; small round roots, not much larger than a Radish .....	.05	.15	.55	2.00

## CORN SALAD

This is usually sown early in September and allowed to stand outside all winter. Before severe weather settles, cover the salad with a light litter of leaves, hay or straw. On mild days it can be cut just like spinach, lasting well into the spring.

<b>Large Leaved Round Seeded</b> .....	Pkt. \$0.05	Oz. \$0.10	¼ lb. \$0.25	Lb. \$0.75
--	-------------	------------	--------------	------------



Boston Market Lettuce

## LETTUCE

Varieties especially suited for forcing and sowing under glass.

	Pkt.	½ Oz.	Oz.	¼ lb.	Lb.
<b>All Heart</b> .....	\$0.10	\$0.15	\$0.25	\$0.75	\$2.25
<b>Big Boston (Selected Stock)</b> ..	.05	.10	.20	.60	2.00
<b>Boston Market (White Seeded)</b> ..	.05	.10	.20	.50	1.50
<b>Dutch Butter (Private Stock)</b> ..	.10	.15	.30	1.00	2.50
<b>Early Cabbage or White Butter</b> ..	.05	.10	.15	.45	1.50
<b>Emperor Forcing</b> .....	.05	.10	.20	.50	1.60
<b>Grand Rapids Forcing</b> .....	.05	.10	.20	.50	1.50
<b>Davey's Improved Big Boston (Sold out)</b> ..					
<b>Unrivald</b> .....	.05	.10	.20	.60	2.00
<b>Way-ahead</b> .....	.10	.15	.25	.65	

For other Varieties see our General Seed Book



Water Cress

## CRESS

Garden and Water Cress make an excellent winter crop under glass, and will always be welcomed on the table.

<b>Erfurt Water Cress.</b> Pkt., 10c.; 20c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.	
<b>Extra Curled Garden Cress or Pepper Grass.</b> Pkt., 5c.; 10c. per oz.; ¼ lb., 20c.; 50c. per lb.	

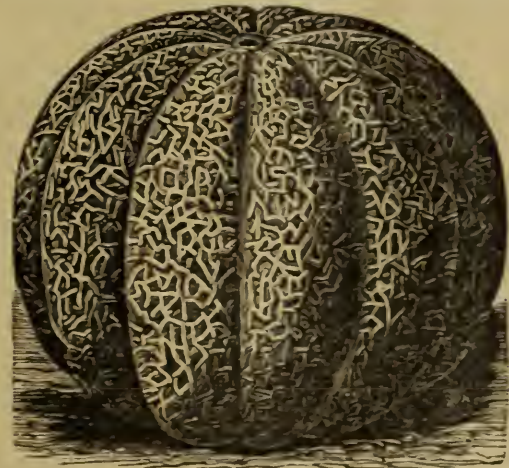


Dwarf Green Scotch Kale

## KALE

This can be sown early in September, broadcast or in drills. When severe cold weather is at hand it should be protected with a covering of straw, salt hay or other litter. On mild days it can be gathered readily, making an excellent winter greens, which will last well into spring.

	Pkt.	Oz.	¼ lb.	Lb.
<b>Dwarf Green Curled German</b> .....	\$0.05	\$0.10	\$0.30	\$0.90
<b>Dwarf Green Scotch</b> .....	.05	.10	.30	.90
<b>New Imperial Long Standing</b> .....	.05	.10	.30	.90



## FORCING MELONS OR CANTALOUPE

They require a very warm well-shaded house, thriving best in good rich soil. If you have a spare corner try a few plants. A single plant produces a number of fruits.

	Per Pkt.
<b>Blenheim Orange, Invincible Scarlet, Each</b> .....	\$0.25
<b>Sutton's A1, 50c. per pkt. Windsor Castle</b> .....	.25
<b>Melon Nets.</b> For supporting forcing melons in greenhouses, made very strong. \$1.00 per doz.; per 100, \$7.00.	

## ONION SETS

	Qt.	4 Qts.	Peck
<b>Tree or Top</b> .....	\$0.15	\$0.50	\$0.80
<b>White</b> .....	.25	.90	1.50
<b>Yellow</b> .....	.20	.70	1.25

## PARSLEY

	Pkt.	Oz.	¼ lb.	Lb.
<b>Champion Moss Curled</b> .....	\$0.05	\$0.10	\$0.35	\$1.25
<b>Double Curled (Covent Garden)</b> .....	.05	.15	.40	1.25
<b>Hamburg or Rooted</b> .....	.05	.15	.40	1.25





Michell's (Improved Strain) Cardinal Globe Radish

**RADISH**

	Pkt.	Oz.	¼ lb.	Lb.
Beckert's Chartier (Long Scarlet) .....	\$0.05	\$0.10	\$0.30	\$0.75
Black (½ Long Winter) .....	.05	.10	.30	1.00
Black Spanish (Long Winter) .....	.05	.10	.25	.75
Black Spanish (Round Winter) .....	.05	.10	.25	.75
Brightest Scarlet (½ Long) .....	.05	.10	.20	.60
California White Winter .....	.05	.10	.25	.75
Cardinal Globe .....	.05	.10	.30	1.00
Cardinal Globe (Improved Strain) .....	.05	.15	.40	1.25
Celestial or White Chinese (Winter) ...	.05	.10	.30	1.00
Crimson Giant (New) .....	.05	.15	.35	1.00
Fireball .....	.05	.10	.30	.85
French Breakfast .....	.05	.10	.30	.85
Golden Olive Shaped (Yellow) .....	.05	.10	.20	.65
Icicle (Long, Pure White) .....	.05	.10	.30	.85
Icicle (Improved Strain) .....	.05	.15	.40	1.25
Large White Summer (Turnip-Shaped) .	.05	.10	.20	.60
Long Scarlet Short Top .....	.05	.10	.25	.80
Long White Lady Finger .....	.05	.10	.25	.75
Round Red Forcing or Button .....	.05	.10	.30	.85
China Rose (Winter) .....	.05	.10	.25	.70
Round White Forcing or Button .....	.05	.10	.30	.85
White Box (Felton's Private Stock) .....	.05	.15	.30	1.00
White Box (Philadelphia Grown) .....	.05	.10	.25	.75
White Strasburg (½ Long) .....	.05	.10	.20	.70

**SPINACH**

	Pkt.	Oz.	¼ lb.	Lb.	5 lbs.
Bloomsdale Savoy .....	\$0.05	\$0.20	\$0.50	\$2.00	
Bloomsdale (Improved Strain) .....	\$0.05	.10	.20	.60	2.50
Long Season (New) .....	.05	.10	.20	.60	2.50
New Zealand .....	.05	.10	.35	1.25	



The method of placing a barrel without a bottom over a Rhubarb clump has a tendency to draw up the length of the stalks, thus increasing the yield

**FORCING RHUBARB** (*Ready in October*)

Rhubarb is as readily obtainable in winter as well as spring. The clumps which should be at least four years old should be planted in good garden soil in a cool cellar, preferably as dark as possible. Where practicable, a barrel or a peach basket, either without a bottom, should be placed over each root to draw the top up. Does extra well under greenhouse benches. Place the roots as close as possible. When spring approaches and rhubarb is obtainable outdoors the clumps may be planted out for use another season. The roots should always be subjected to a slight frost before planting indoors. We offer large clumps of the Victoria variety, 25c. each; \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

**One Year Old Rhubarb** for out-door planting, 10c. each; doz., \$1.00; \$6.00 per 100.

**TOMATOES** (*Adapted for Forcing*)

**Michell's Cracker Jack.** One of the best for forcing; its productiveness is wonderful and is quite free from acid. Fruits are of medium size and of a brilliant rich scarlet color. Per pkt., 15c.; 25c. for 2 packets; ½ oz., 30c.; 60c. per oz.

**Balch's Fillbasket.** Fine forcer; original pkts., 50c. each.

**Sutton's Best of All.** One of the finest varieties in use in England, and the seed we offer is grown from Sutton's original stock. The fruit is medium sized, and of an intense red color, containing but few seeds, it is produced in clusters of from 3 to 6 fruits. Pkt., 10c.; 25c. ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

**Comet.** A cluster averages 6 tomatoes of medium size of the brightest red, ripening up to the stem. One of the first to ripen and continues in bearing for a long while. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

**Sutton's Eclipse.** A very smooth fruit, borne singly on plants which produce little foliage, a good point in a forcing tomato, vermilion red color; original packets, 50c.





Private Strain Improved Purple Top White Globe Turnip

## TURNIP AND RUTA BAGA

	Pkt.	Oz.	¼ lb.	½ lb.	Lb.
Cow Horn .....	\$0.05	\$0.10	\$0.20	\$0.35	\$0.60
Early Purple Top, Flat .....	.05	.10	.20	.35	.60
White Globe (Private Stock) ..	.05	.15	.35	.55	1.00
Purple Top White Globe .....	.05	.10	.25	.40	.75
Robertson's Golden Ball .....	.05	.10	.20	.35	.60
Ruta Baga, Yellow Purple Top ..	.05	.10	.25	.40	.75
Ruta Baga, Private Stock, Globe	.05	.15	.35	.65	1.25
Snow Ball, Extra Early, White ..	.05	.10	.20	.35	.60
White Flat Dutch, Strap Leaved	.05	.10	.20	.35	.60
White Milan, Extra Early .....	.05	.10	.25	.45	.85
Yellow Aberdeen, Flat .....	.05	.10	.20	.35	.60
Yellow Globe or Amber .....	.05	.10	.20	.35	.60

## WITLOOF CHICORY or FRENCH ENDIVE

This most delicious vegetable is becoming more popular each year. The plants can be planted either under the bench of a greenhouse, or a light, warm portion of the cellar. A cold frame also makes an ideal place to force them. We can furnish Witloof Chicory in strong roots, ready from December until stock is exhausted. 10c. each.; doz., \$1.00; \$7.00 per 100.

## VEGETABLE and HERB PLANTS and ROOTS

### ASPARAGUS ROOTS (Ready in October)

The handling of this crop is carefully described in our leaflet on Asparagus Culture, which is mailed free or included with orders, if asked for. The two-year-old roots usually produce two years after planting, the three-year-old may be cut lightly one year after planting.

	2 Year Old Roots			3 Year Old Roots		
	100	500	1000	100	500	1000
Giant Argenteuil. Violet	1.00	4.00	7.50	1.75	7.50	15.00
and white .....						
Barr's Mammoth. Dark green	.75	3.00	6.00	1.50	6.50	12.50
Columbian Mammoth White. Pure white	.75	3.00	6.00	1.50	6.50	12.50
Conover's Colossal. Light green	.75	3.00	6.00	1.50	6.50	12.50
Palmetto or Eclipse. Light green	.75	3.00	6.00	1.50	6.50	12.50

### CAULIFLOWER PLANTS (Pot Grown)

For autumn planting in cold frames. (Ready about Nov. 1st.)

	Doz.	100
Early Snowball .....	\$0.50	\$4.00
Early Erfurt .....	.50	4.00

### LAVENDER (Hardy)

Used for its flowers, which when dried are strewn among clothing to keep away moths. Pot-grown plants. 15c. each; per doz., \$1.50; \$10.00 per 100.

### MINT (Hardy)

This is used for making mint sauce and juleps, also in many other ways. The plants are hardy and when once established remain for years. Pot-grown plants.

Spearmint. 10c. each; per doz., \$1.00; \$7.00 per 100.  
Peppermint. 10c. each; per doz., \$1.00; \$7.00 per 100.

### RHUBARB ROOTS (Ready in October)

Victoria Large Clumps. 10c. each; \$1.00 per doz.; per 100, \$6.00. Parcel Post Weight, per root, 1 lb.  
Victoria Extra Large Clumps for Forcing. 25c. each (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

### ROSEMARY (Hardy)

This makes an attractive border plant, also used extensively for various medicinal purposes. Pot-grown plants. 15c. each; doz., \$1.50; \$10.00 per 100.

### SAGE (Hardy)

Holt's Mammoth. Large leaved variety, used in gravies, stews and also for medicinal purposes. Pot-grown plants. 10c. each; per doz., \$1.00; \$7.00 per 100.

### WINTER SAVORY (Hardy)

A popular herb, used in flavoring, etc. Pot-grown plants. 25c. each; doz., \$2.50; \$15.00 per 100.

### TANSY (Hardy)

For medicinal purposes this herb is of great value. 10c. each; doz., \$1.00; \$7.00 per 100.

### TARRAGON (Hardy)

These are hardy if given plenty of protection in winter. Do not plant them in an exposed place. Extra large pot-grown plants. 25c. each; per doz., \$2.50; \$17.50 per 100.

### THYME (Hardy)

English Broad Leaved. This is almost an indispensable herb; once planted it remains permanent for years. Pot-grown plants. 10c. each; doz., \$1.00; \$7.00 per 100.



# MICHELL'S RECLEANED LAWN GRASS SEEDS

SEPTEMBER and OCTOBER  
are ideal months for  
SOWING GRASS SEEDS



Grounds of the new Masonic Homes, Elizabethtown, Pa. (showing Grand Lodge Hall), sown exclusively with Michell's Grass Seeds. The Committee having in charge the installation of the buildings and the arrangement of the grounds, after exhaustive inquiry and reports on purity and germination tests of Grass Seeds, awarded us the entire contract for supplying Grass Seeds to sow their immense tract of lawn.

## MICHELL'S GRASS SEED "TOP NOTCH" 25 POUNDS PER BUSHEL

At any price it would hardly be possible to get together a more perfect blend of thoroughly recleaned grasses than this mixture. From experiments made it seems to do unusually well under most every condition of soil, weather and climate, retaining at all times its brilliant green color. Again we have frequently been asked on orders to send a lawn mixture of quality "par excellence" regardless of price, so finally decided that there was room for still greater improvement in lawns than our already high grade mixtures of grasses would produce.

Top Notch weighs **25 lbs. per bushel** and we are safe in saying that it can hardly be produced elsewhere at the price we quote it. Our grass seed sales amounting to more than half million (500,000) lbs. per year, we are able to get the choice of the Grass Seed Market. Imagine a perfect Grass Plot with a slight inkling of white clover where every tuft and blade is fine, closely grown together and without a weed. There is not a particle of chaff in this mixture and it cannot help but satisfy the most particular lawn critic. On account of the heavy nature and quality of the seed, unusual results are obtained in the shortest space of time. We recommend sowing this mixture at the rate of about  $3\frac{1}{2}$  to 4 bu. per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price, \$2.00 per peck (6 $\frac{3}{4}$  lbs.); per  $\frac{1}{2}$  bush., \$3.75; \$7.00 per bush. (of 25 lbs.); 2 bush., \$13.50; \$32.50 per 5 bush.; 100 lb. lots and over, 26c. lb.

**A Few of the many Testimonials received on the Merits of Michell's Grass Seeds**  
NATIONAL SOLDIERS' HOME, MAINE.

Just a few words in praise of your lawn grass mixture, with which I have had remarkable success here under trying conditions of both soil and climate. It germinates quickly and evenly and produces finest results the first year.

HOWARD A. SAFFORD,  
Chief Gardener.

BERRYVILLE, CLARKE CO., VA.

I used 5 bushel of your "Velvet" Lawn Grass Seed this spring in making a new piece of lawn and wish to say that same came up fine. Have been mowing same and it looks like a piece of velvet. I can certainly recommend your Lawn Grass Seed to anyone making a lawn.

JOHN M. MEEHAN,  
Superintendent.

## MICHELL'S "GREEN VELVET" GRASS SEED

This mixture has stood the test of every clime and region in the United States. It is the result of many years of untiring study, labor and experimenting, coupled with the endeavor to give the man with a lawn a grass seed mixture which will produce a perfect turf. It is composed of close growing, fine leaved hardy grasses which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color. Our experiments have proven conclusively that only with a reliable mixture of several varieties of grasses can a quick permanent lawn be produced; for this reason we do not recommend the sowing of any one variety, such as Blue Grass, etc., alone.

**Michell's Green Velvet Grass Seed** weighs 20 lbs. per bushel. This fact alone is proof of its purity.

**Quantity to sow.** You cannot sow too much, the more the better; it means a quicker, more satisfactory and lasting result. We recommend, on new ground, to sow as follows:

1 qt. on 100 sq. feet (10 x 10); 4 qts. on 600 sq. feet (20 x 30); 1 peck on 1500 sq. feet (30 x 50); 1 bushel on 7000 sq. feet (70 x 100); 5 to 6 bushels per acre for best effects.

**Prices:** 1 pt., 20c. (P. P. Wt.,  $\frac{1}{2}$  lb.); 1 qt., 30c. (P. P. Wt., 1 lb.); 4 qts., 85c. (P. P. Wt., 3 lbs.); 1 peck, \$1.25 (P. P. Wt., 5 lbs.); 1 bu. (20 lbs.), \$5.00; 5 bu., \$24.00; 100-lb. lots and over 24c. lb.

The remarkably *Fine Lawns* seen at the Philadelphia National Export Exposition; The Pan-American Exposition, Buffalo; The Jamestown Exposition, Va.; The Lewis-Clarke Exposition, Portland, Ore., were seeded with **Michell's Green Velvet Grass Seed**. For years it has been extensively sown in the Public Parks and Squares of Philadelphia (including Fairmount Park). The Parks of Wilkes-Barre, Reading, Harrisburg, Penna., on the Executive Mansion Grounds, Washington, D. C., and on thousands of Country Estates.

If Grass Seed is wanted by Parcel Post, allow for mailing when remitting



# MICHELL'S GRASS SEEDS

## FOR ALL PURPOSES




MICHELL'S  
PERMANENT PASTURE  
GRASS SEED

85¢ PER PECK \$3.00 PER BUSHEL (15 LBS.)

MICHELL'S EVERGREEN  
LAWN SEED

\$1.00 PER PECK  
\$4.00 PER BUSHEL (20 LBS.)



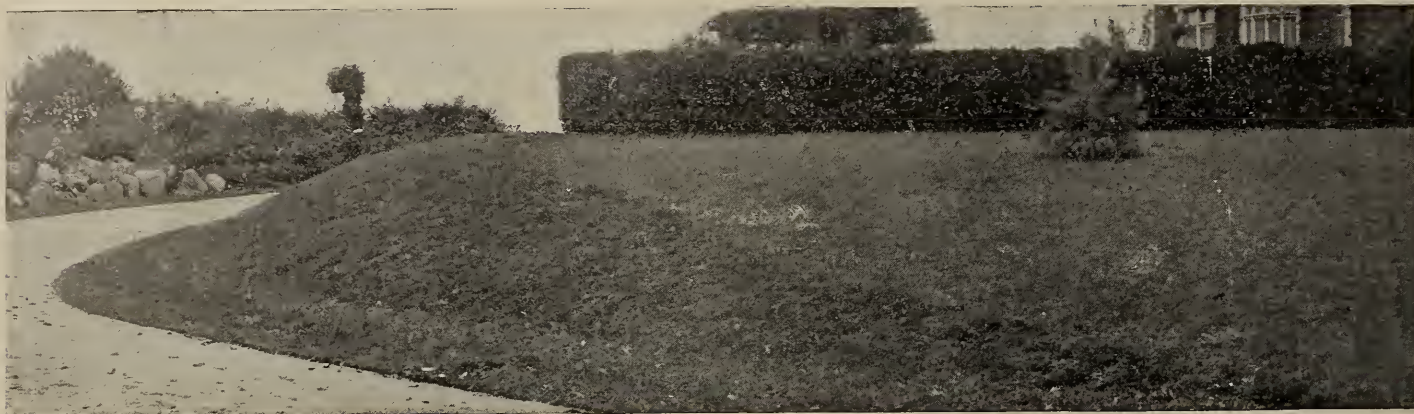
MICHELL'S SPECIAL FORMULAS  
AND SEPARATE VARIETIES OF  
GRASSES FOR GOLF COURSES  
AND PUTTING GREENS

HENRY F. MICHELL CO.  
GRASS SEED SPECIALISTS  
518 MARKET ST. PHILA.



# ALPHANO HUMUS THE GREAT NATURAL FERTILIZER and SOIL BUILDER

**Treat Your Lawn and Garden With Alphano Humus in the Autumn**



A terrace lawn treated with Alphano Humus. It produces a thick growth that makes the sod stick. The terrace was enriched with ALPHANO; the rest with stable manure. Note the marked contrast.

## PREPARED ALPHANO HUMUS "THE IDEAL SOIL ENRICHER"

Has been on the market—in successful use for ten years.

It is prepared from a rich deposit of decayed vegetable and animal matter. In its course of preparation for use as a soil builder and enricher, it is composted for a long period, and supplied with all the legume and other beneficial soil bacteria. 80% of the moisture is driven out, and a liberal quantity of rich, concentrated plant foods and bacterial nutriment of highest fertilizing value are added. It comes to you, finely pulverized, odorless, and entirely free from weed seeds.

It is rich in ammonia, phosphoric acid, potash and lime, and is lively with the various bacteria so essential to soil fertility. For lawns it is applied as a top dressing from  $\frac{1}{2}$  to 1 inch in depth, which should be then worked in.

If grass seed is to be sown, then is the time to apply it. On golf links it is used in a similar way.

For Flower and Vegetable garden, apply at rate of  $\frac{1}{2}$  to 2 inches deep, and fork it well in the soil, or apply it in trenches, the same as you would well-rotted manure.

For pot plants, mix about  $\frac{1}{3}$  of the Alphano with  $\frac{2}{3}$  of regular potting soil.

A ton of Prepared Alphano Humus is equal to nearly 2 cubic yards. For top dressing lawns an application of 100 lbs. every 800 sq. feet will be effective: For distribution in large quantities, say  $\frac{1}{2}$  inch thick, 30 tons is required per acre; if 1 inch thick application is desired, 60 tons per acre; if 2 inches thick, 120 tons per acre.



For vegetables ALPHANO is ideal. This celery was ready to cut on June 26th. Its quick growth induced by the abundant Alphano food, produced solid stalks of delicious flavor and crackly crispness.

Glimpse of a Fair Way and Putting Green on the Pine Valley Golf Course is shown here on the right. The soil here is white sea sand. The splendid sod was produced and is kept in finest shape by the use of Alphano as a soil mixture and a top dressing.

It is used extensively by 13 out of the 16 golf clubs in and around Philadelphia.



### PRICES ON HUMUS F. O. B. PHILADELPHIA

	5 lbs.	25 lbs.	50 lbs.	100 lbs.	500 lbs.	1000 lbs.	Ton
Prepared	\$.025	\$.065	\$1.00	\$1.25	\$6.00	\$10.00	\$16.50
Natural				1.10	5.00	8.50	14.00

Note the smallest car of Humus in bags is 20 tons, the smallest car in bulk is 30 tons.

Note.—Not less than 100 lbs. of Natural Humus can be supplied.

### PRICES ON HUMUS F. O. B. FACTORY

	100 lbs.	500 lbs.	1000 lbs.	Ton	Carload in Bags Per Ton	Carload in Bulk Per Ton
Prepared	\$1.00	\$5.00	\$7.00	\$13.00	\$10.00	\$8.00
Natural	.75	3.50	5.00	8.00	7.00	5.00





**MICHELL'S SHADED LAWN  
GRASS SEED**  
25¢ per qt., 4 qts. 75¢, \$1.25 per peck  
per bu. 20 lbs. \$5.00.



### MICHELL'S SHADED LAWN GRASS SEED

Shaded locations produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions and after extensive experimenting have combined a mixture of grasses that will produce perfect swards in the most densely shaded places. It must be borne in mind that too much shade creates sour soil and to guard against this apply air-slaked lime (or land plaster where the former is not available) at the rate of 1 bushel to each 1000 square feet. Lime should be applied about every three years only, while land plaster may be applied periodically during the summer. Frequent fertilizer applications, such as bone meal or sheep manure, are a great help in establishing a thick, healthy growth of grass in shaded places. Sow seed at the same rate as recommended for Green Velvet Grass on opposite page. This mixture weighs 20 lbs. per bushel and will prove to be a remarkable success. 1 pt., 15c., *P. P. Weight*, ½ lb.; 1 qt., 25c., *P. P. Weight*, 1 lb.; 2 qts., 40c., *P. P. Weight*, 2 lbs.; 4 qts., 75c., *P. P. Weight*, 3 lbs.; peck (5 lbs.), \$1.25; bush., (20 lbs.), \$5.00; 5 bush., \$24.00; 100-lb. lots and over, 24c. lb.

### MICHELL'S WOODLANDS GRASS MIXTURE

At the instance of various customers on several occasions, it had been suggested that we list a grass formula for sowing in woodlands. After several tests, carefully followed up, we have arrived at a mixture of hardy grasses, that have given splendid satisfaction. It is especially adapted for thickly wooded locations (Norway Maples and Pine Trees excepted). Sow at the rate of 4 bushels per acre. \$1.00 per peck (5 lbs.); per bushel of 20 lbs., \$4.00; \$19.50 for 5 bushels; 100 lbs. and over at 19½c. per lb.

### MICHELL'S EVERGREEN LAWN GRASS SEED

Where soil conditions and weather are ideal this mixture will in most cases produce a green sward in three to four weeks. It is composed of the finest native and foreign short growing and fine bladed lawn grasses and will form a turf which can only be approached for quality by a covering of real velvet. The quantity required to sow a given space is the same as that recommended for Michell's Green Velvet on page 56. It weighs 20 lbs. per bushel and every kernel is full of vitality. Prices: Pt., 15c., *P. P. Weight*, ½ lb.; qt., 25c., *P. P. Weight*, 1 lb.; 4 qts., 65c., *P. P. Weight*, 3 lbs.; peck (5 lbs.), \$1.00; bush. (20 lbs.), \$4.00; 5 bush., \$19.50; 100-lb. lots and over, 19½c. lb.

### MIXTURES FOR PLEASURE GROUNDS

#### Michell's Putting Greens Mixture

While many greens keepers prefer to make their own mixtures for this purpose, there are some who rely on the ability and experience of the seedsman. Our formula for this has been reached after many extensive tests. It is a quick-growing mixture of short, thin-bladed grasses, over which the ball can roll without resistance. In sowing Putting Greens it is wise economy to be very liberal with the seed, as these places are subjected to hard use. We do not recommend less than 1 bushel of 25 lbs. (and more is better) to a green 75 foot square.

Prices: 1 qt., 30c.; 4 qts., \$1.00; 1 peck, \$2.00; 1 bush. (25 lbs.), \$3.00; 5 bush., \$37.50; 100-lb. lots and over, 27c. lb.

#### Michell's Fair Greens (Golf Course) Mixture

Composed of short-growing, deep-rooted varieties, resists plenty of wear. It retains its color well during the severest droughts. Sow 6 bushels per acre.

Prices: Qt., 25c.; 2 qts., 45c.; 4 qts., 75c.; 1 peck, \$1.25; 1 bu. (20 lbs.), \$4.50; 5 bu., \$21.25; 100-lb. lots and over, 21¼c. lb.

**Teeing Grounds Mixture.** 20 lbs. per bushel. Used on golf courses or in places where a tough resisting turf is wanted. 25c. qt.; 4 qts., 65c.; \$1.00 per peck (5 lbs.); bushel (20 lbs.), \$4.00.

**Tennis Court Mixture.** Our mixture will be found particularly adapted for the purpose (20 lb per bu.). Qt., 25c.; 2 qts., 45c.; 75c. for 4 qts.; 1 peck, \$1.25; \$4.50 per bu.; 5 bu., \$21.25; 100-lb. lots and over, 21¼c. lb.



## MICHELL'S SPECIAL MIXTURES OF GRASSES

**Fairmount Park Lawn Seed.** A very fine mixture indeed, meeting the requirements of those desiring a moderately priced grass seed. Sow 4 bushels to the acre on new lawns or 2½ bushels in renovating old lawns. Prices: Per qt. 20c., 35c. for 2 qts., 4 qts. 60c., 85c. per pk., per bush of 15 lbs., \$3.00, \$14.50 for 5 bush., 100-lb. lots and over, 19c. lb.

**Michell's Seashore Formula Grass Seed.** The salt atmosphere plays havoc with the seashore lawn. This formula contains such grasses only as thrive in salt air regions. Sow 4 bushels to the acre on new ground or 2½ bushels for reseeding old lawns. Prices: Per qt. 25c., 40c. for 2 qts., 4 qts. 75c., \$1.25 per pk., per bu. of 20 lbs. \$5.00, 5 bu. \$24.00, 100-lb. lots and over, 24c. lb.

**Michell's Terrace or Embankment Grass Seed.** Sow 4 bushels per acre. Prices: Per qt. 25c., 40c. for 2 qts., 4 qts. 75c., \$1.25 per pk., per bush. of 20 lbs. \$5.00, 5 bush. \$24.00, 100 lbs. and over 24c. lb.

**Southern States Lawn Grass Seed.** Made up especially for dry, hot localities, especially suited to the Southern States. 15 lbs. per bushel. Prices: 20c. per qt., 2 qts. 35c., 60c. for 4 qts., pk. \$1.00, \$3.50 per bu., 5 bu. \$16.25, 100 lbs. and over 21c. lb.

**Special Sod Grass Seed.** A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bush. Prices: 25c. per qt., 2 qts. 40c., 75c. for 4 qts., pk. \$1.00, \$4.00 per bush., 5 bush. \$18.75, 100 lbs. and over 25c. lb.

**Michell's Poultry Yard Grass Mixture.** Makes a quick permanent sod for chicken runs, furnishing a variety of green food. 20c. per qt.; 35c. for 2 qts.; 4 qts., 60c.; 85c. per peck; bu., \$3.00.



**Michell's Permanent Pasture Grass Seed.** In the past few years ideas of what was the best way to establish a permanent grazing sod have undergone many changes. The then prevalent method of sowing timothy and clover has been found not only costly but too short lived to answer the purpose. The old custom has given way to the new, which is the sowing of a mixture of permanent grasses. Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years, although we advise additional sowings each autumn just previous to which a light harrowing is recommended to give the grass a quick hold. Sow 3 to 4 bushels per acre on new lands or 2 bushels on established pastures (15 lbs. per bushel). Prices: Per qt. 20c., 4 qts. 50c., peck 85c., bush. (15 lbs.) \$3.00, 5 bush. \$13.75, 100 lb. lots, 18c. lb.; 200-lb. lots and over, 17c. lb.

**Michell's Permanent Hayfield Grass Seed.** While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in every kind of soil. Sow 3 to 4 bushels per acre on new lands, or 2 bushels on established fields (15 lbs. per bushel). Prices: Per qt. 20c., 4 qts. 50c., peck 85c.; bush. (15 lbs.) \$3.25, 5 bush. \$14.00, 100-lb. lots 18c. lb., 200-lb. lots and over 17c. lb.

**An English Chain Harrow** is ideal in preparing grass lands.

No. 1—For 1 horse, 5 x 6 feet.	Weight, 126 lbs.	\$18.50
No. 2—For 2 " 6 x 7¾ "	" 236 "	26.50
No. 3—For 2 " 9 x 11 "	" 357 "	32.00





**MICHELL'S  
"HAY FIELD"  
GRASS SEEDS**

PER QT. 20C POSTPAID 25C  
PER 4 QT 50C  
PER PECK 85C  
PER BUSHEL \$3.00  
5 BUSHELS \$14.00  
10 BUSHELS \$27.00

## MICHELL'S RECLEANED GRASS SEEDS, in Separate Varieties

**Bermuda Grass.** For sowing as far North as Washington, D. C., above which latitude it is not hardy. 50c. per lb.; 5 lbs., \$2.25.

**Blue Grass, Fancy Kentucky** (*Poa Pratensis*). Our stock of this is extra fine, thoroughly recleaned; sow 3 to 5 bu. per acre on lawns, 2½ to 3 bu. on pasture fields (bu. 14 lbs.). Per lb., 20c.; peck, 60c.; per bu., \$2.25; \$13.00 per 100 lbs.

**Blue Grass Canadian** (*Poa Compressa*). Makes an ideal pasture highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.). Lb., 15c.; bu., \$2.00; 100 lbs., \$11.00.

**Creeping Bent** (*Agrostis Stolonifera*). Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4 bu. per acre (20 lbs. per bu.). Lb., 60c.; bu., \$11.50; 100 lbs., \$50.00.

**Crested Dogstail** (*Cynosurus Cristatus*). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). Price, 40c. lb.; bu., \$7.00; \$32.00 per 100 lbs.

**English, or Perennial Rye Grass** (*Lolium Perenne*). (*Pacey's Fancy Short Seeded*.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 3 bu. per acre (24 lbs. per bu.). Price, 15c. per lb.; per bu., \$2.75; \$10.00 per 100 lbs.

**Fine Leaved, or Slender Fescue** (*Festuca Tenuifolia*). This grass is especially valuable for dry soils. Sow 3 bu. per acre (bu. 14 lbs.). Price, 55c. per lb.; bu., \$7.00; \$45.00 per 100 lbs.

**Herd, or Red Top Fancy Recleaned.** This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 25 lbs. per acre (32 lbs. per bu.). Price, 25c. per lb.; per bu., \$6.00; \$18.00 per 100 lbs.

**Herd, or Red Top Unhulled** (*Agrostis Vulgaris*). Sow 4 to 5 bu. per acre on lawns or 3 bu. on pasture lands (10 lbs. per bu.). Price, 15c. per lb.; per bu., \$1.25; \$10.00 per 100 lbs.

**Hard Fescue** (*Festuca Duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs. per bu.). Lb., 35c.; bu., \$3.75; 100 lbs., \$30.00.

**Italian Rye** (*Lolium Italicum*). Very desirable for pasture; being an annual, it comes to maturity the first season. Sow 50 lbs., per acre (18 lbs. per bu.). Price, 15c. per lb.; bu., \$2.25; \$11.00 per 100 lbs.

### PRICES SUBJECT TO MARKET CHANGES

**Note.**—If Grasses are wanted by parcel post, allow for postage when remitting.

**Meadow Fescue** (*Festuca Pratensis*). Sow 40 to 50 lbs. per acre (22 lbs. per bu.). Price, 20c. per lb.; bu., \$3.00; \$12.00 per 100 lbs.

**Orchard Grass** (*Dactylis Glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (12 lbs. per bu.). Price, 30c. per lb.; per bu., \$3.25; \$22.00 per 100 lbs.

**Red, or Creeping Fescue** (*Festuca Rubra*). Very valuable for sowing on sandy soil and in shaded places. (14 lbs. per bu.). Price, 40c. per lb.; bu., \$5.00; \$32.00 per 100 lbs.

**Rhode Island Bent** (*Agrostis Canina*). For sowing at sea-shore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.). Lb., 60c.; bu., \$8.00; \$50.00 per 100 lbs.

**Sheep's Fescue** (*Festuca Ovina*). For sowing on lawns, fields or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.). Price, 35c. per lb.; bu., \$3.50; \$27.50 per 100 lbs.

**Sudan Grass.** A new forage crop of immense value. Two and often three cuttings can be obtained from it under favorable condition. This grass is not hardy in the North. 20 lbs. per acre. 20c. per lb.; 10 lbs., \$1.75; \$15.00 per 100 lbs.

**Sweet Vernal Annual** (*Anthoxanthum Od. Puelli*). Sow 5 lbs. per acre with other grasses. Price, 25c. per lb.; 5 lbs., \$1.00.

**Sweet Vernal Perennial** (*Anthoxanthum Odoratum Real*). Price, 75c. per lb.; 5 lbs., \$3.50.

**Tall Meadow Oat** (*Avena Elatior*). A valuable lawn and pasture grass, especially for use in the South. Sow 5 bu. per acre (10 lbs. per bu.); 35c. lb.; bu., \$3.00; \$25.00 per 100 lbs.

**Timothy** (*Phleum Pratense*). Sow ½ bu. per acre. (45 lbs. per bu.). 12c. per lb. Price varies constantly; ask for quotations.

**Various Leaved Fescue** (*Festuca Heterophylla*). Thrives well in low moist soils, matures early and is very hardy; good for shaded locations. Sow 40 lbs. per acre (15 lbs. per bu.). 35c. per lb.; bu., \$4.50; \$27.50 per 100 lbs.

**Wood Meadow** (*Poa Nemoralis*). The best grass for sowing under trees where a lawn is desired. Sow 30 lbs. per acre (14 lbs. per bu.). Price, 50c. lb.; bu., \$6.25; 100 lbs., \$42.00.



# Michell's Choice Recleaned Seed Wheat, Etc.

Prices of Seed Wheat fluctuate constantly and will be quoted on request

## "MIRACLE" (Bearded)

This valuable Wheat was introduced by us in the vicinity of Philadelphia in 1911. We kept track of parties to whom we shipped it, and we learned, without a single exception, that it is all we represented it to be. It produces a magnificent, heavy growth of straw, which is very stiff and erect. The head is bearded and contains well-shaped wheat berries of a semi-hard red nature of excellent milling qualities. It is a tremendous stooler, one grain producing as many as 25 stalks with often 45 grains to the head or stalk. It is readily seen that this wheat should produce on average conditions an enormous crop, its usual rating being anywhere from 40 to 50 bushels per acre under average conditions. The introducer impresses upon us very forcibly **not to recommend the sowing of more than one-half bushel per acre**, as if seeded heavier it is liable to choke itself, on account of its free stooling habit. It is early to mature, and produces straw often 5 feet high.

## "FULTZO-MEDITERRANEAN" (Beardless)

This is a cross of the "Fultz" and the old "Mediterranean" Wheats. The berry is short, plump, and red. Chaff white and smooth. The heads are of medium length, very compact, well filled and inclined to widen at the top. By careful selections and reselections for a series of years our grower succeeded in eliminating practically all the bearded heads formerly found in Fultz-Mediterranean. For earliness or stiffness of straw it cannot be excelled. It stools well and  $1\frac{1}{4}$  to  $1\frac{1}{2}$  bushels per acre is sufficient to sow. Coming from two vigorous hardy varieties, it has inherited the good qualities of both its parents. It frequently produces over 40 bushels per acre.

## FOUR-ROWED FULTZ (Beardless)

Four-rowed Fultz has a tendency to produce spikelets composed of four grains of wheat arranged in a row close together. Although the heads are only of medium length, in most cases they contain more wheat than heads of other varieties that are much longer.

Four-rowed Fultz is **extremely early**. The berry is of medium size, hard, red in color. Chaff is white. Straw is of medium length, strong and stiff. It is adapted for practically any variety of soils and is unsurpassed for hardiness.

On average and rich soils, Four-rowed Fultz will give straw of great length, will stool out wonderfully, making a thick growth.

Four-rowed Fultz has numerous records of yield of 40 bushels per acre on average land. On select land as much as 50 bushels per acre has been harvested. Sow  $1\frac{1}{2}$  to 2 bushels per acre.

## RED WAVE (Beardless)

Too much cannot be said in favor of "Red Wave." It does well in all kinds of soils and we find that it is **especially profitable in sandy and gravelly locations**.

Red Wave produces large, dark red, very hard grains of extra milling qualities. Produces heads four to six inches long.

The straw, in spite of its length and the large head it must carry, **will not lodge**. Sow  $1\frac{1}{2}$  to 2 bushels per acre.

## SILVER SHEAF LONGBERRY RED (Bearded)

It bears the **longest heads of any wheat** we know of and thrives under the roughest treatment. It may be sown very late in the fall under the most adverse conditions with every confidence of profitable crops to follow.

Our grower says that everything about Silver Sheaf Longberry Red is long. Long in the berry, long in the straw, very long bearded heads and long in the yield. The grain is hard and dark red, while the chaff is white. The straw is long and stiff.  $1\frac{1}{4}$  to  $1\frac{1}{2}$  bushels per acre is all you need to sow.

## LANCASTER-FULCASTER (Bearded)

A reselection from the old "Fulcaster" and one of the purest wheats now offered.

There are few other varieties that will do quite as well on soils of average quality. Farmers who are not able to raise even fair crops on rather thin soils should sow "Lancaster-Fulcaster." Even under adverse conditions this variety will produce a satisfactory crop of straw and a surprising crop of grain. Even on thin soils the grain will be of full size. The grain is of finest quality, a genuine long berry, dark red and hard. The chaff is white and the straw is long and stiff.

Lancaster-Fulcaster is a great favorite with millers on account of its splendid milling qualities. It will carry through extreme winters and withstands attacks of insect pests and disease better than any other variety. Sow  $1\frac{1}{2}$  to 2 bushels per acre.

## LEAP'S PROLIFIC (Beardless)

Stools out strongly, roots deeply and is a good producer. The grain is hard, large, dark red; the chaff white, the straw long and stiff; ripens early. It is a splendid all round variety. Sow  $1\frac{1}{2}$  bushels per acre.

## RECLEANED TIMOTHY (New Crop)

Sow 8 quarts per acre with wheat, or  $\frac{1}{2}$  bushel alone for hay purposes. Our stock is especially fine and free from any foreign or weed seeds. 15c. per lb. Prices for larger quantity on application, as the market changes constantly.

## MICHELL'S HIGH GRADE WHEAT FERTILIZER

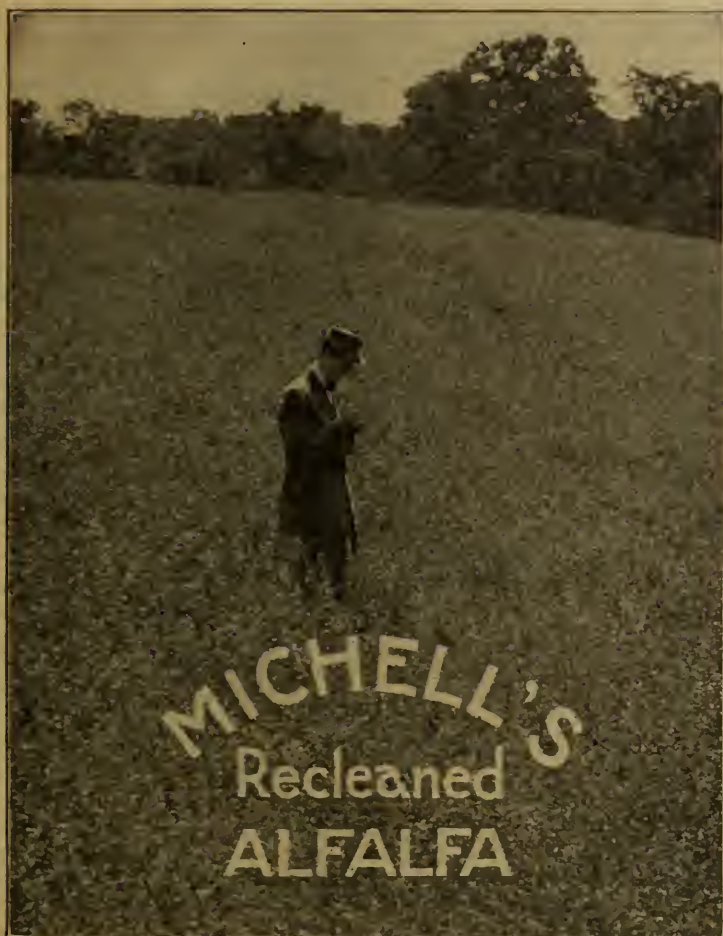
Apply 500 to 600 lbs. per acre. This is rich in all the elements of plant food that wheat requires, and if used when sowing wheat, will help wonderfully to produce a big crop. 200 lbs., \$3.25; \$14.50 per  $\frac{1}{2}$  ton; ton, \$28.00.

See page 108 for other Fertilizers.



Silver Sheaf Longberry  
Red Wheat





An Alfalfa field will prove a good investment on any farm

The most valuable forage crop on the American farm to-day, and can be truly termed a mortgage lifter. **Our seed is always over 99 per cent. pure**, and will give invariably the best results.

Alfalfa, once established, lasts many years; in fact, rarely ever dies out, unless it is winter killed through becoming covered with water. Alfalfa produces a much larger yield than the average crop for feeding stock. It is very rich in protein, the feeding value being equal to the average bran.

## PREPARATION OF THE GROUND

Almost any ordinary soil will do, provided it is well drained and not naturally sour. In the latter case a liberal application of Agricultural Lime is the cheapest and best remedy. Spread this at the rate of 30 to 40 bushels per acre, either broadcast before plowing or after plowing before harrowing. (We can furnish this lime and Land Plaster in carload lots). Where land lime is not available Land Plaster will answer, though the former is preferable. On soils overlying heavy clay or hardpan subsoils great care must be taken to provide for the rapid escape of surface water by the tile drainage, unless the water is absorbed naturally. Alfalfa plants will soon die where water stands a few days.

After the ground has been thoroughly plowed, preferably with a subsoil plow first, it should then be harrowed with a disc harrow and finally with a fine tooth harrow, which should be worked back and forth at intervals for at least ten days to two weeks (weather permitting) before the seed is sown.

Use plenty of good barnyard manure or commercial fertilizer. The former is preferable, and should be applied at the rate of about 10 to 15 tons per acre, or a good phosphate at the rate of one-half ton per acre. Of course this should be put on before the plowing is done.

## SEEDING

Seeding is done at various times, although numerous experiments prove that the month of *August* and early *September* sowing is the most profitable.

Alfalfa has two natural enemies—wet, soggy ground, and weeds. The latter is readily overcome by summer seeding, as weeds are past growing at that time, and by the following season they are crowded out by the Alfalfa.

The quantity of seed sown to the acre is about 30 pounds (or  $\frac{1}{2}$  bushel). It is best not to sow less than this amount.

The best method of sowing is broadcast. The field should be gone over with one-half the quantity of seed in one direction and the balance in the opposite direction, so as to ensure an even stand.

Where August or September seeding is practised, cutting should not be done the following season. It will pay to leave it stand for winter protection. A crop seeded in spring may be cut the year following. Two crops are frequently taken off the first season of cutting after spring seeding and four cuttings following the August planting.

## CUTTING THE CROP

The cutting of the crop is a very important item. This should be done just as it comes into blossom. *It should not be allowed to flower in full*, as it is then too dry, and a great deal of the nutritive qualities which are contained in the petals and tops are lost by these dropping to the ground.

After cutting it should be stacked in cocks, the same as hay, and every particle should be gathered up, as it is very valuable. Before hauling to the barn, it might be necessary for the cocks to be opened for a few hours to allow the Alfalfa to pass off any moisture that might have gathered while it was stacked. The yield of an established field will range from  $2\frac{1}{2}$  to 5 tons of dry product per acre and often more, per season.

Price of Alfalfa fluctuates constantly and will be quoted on request.

# NITROGEN-GATHERING BACTERIA

Alfalfa and other Leguminous Farm Crops will grow more abundantly if the seed is inoculated with high bred Bacteria

## FARMOGERM

A nitrogen gathering bacteria to be used when planting or sowing leguminous plants, as clover, peas, beans, etc. Garden size bottles, 25 and 50c.; acre size bottle, \$2.00; \$6.00 per 5-acre bottle.

## ALPHANO-INOCULANT

For seed and soil inoculation. Inoculates all clovers, soja beans, peas, beans, lupins, vetches and all other Legumes, that collect Nodule Nitrogen.  
One acre size (2 lbs.) .....\$1.00  
Ten acre size (10 lbs.) ..... 8.00

## MULFORD'S CULTURES

For inoculating clovers and other legumes of all kinds. When ordering, please state for what crop you desire to use it. Garden Size,  $\frac{1}{4}$  acre, 50c.; 1-acre size, \$1.50; \$5.00 per 5-acre size.

Send for descriptive circulars on above Nitrogen-Gathering Bacteria

2-Bushel Seamless Bags for all Farm Seeds, 22c. each (returnable)

(hn)





Crimson Clover

**CLOVERS**

**Alfalfa** (see page 61).  
**Alsike or Swedish Clover** (*Trifolium Hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high, is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price, 25c. lb. Price on larger quantity on application.

**Bokhara or Giant Sweet Clover** (*Melilotus Alba*; Syn. *M. Leucantha*). Used either as a feed crop or as a fertilizer to plow under. Grows from 4 to 6 feet high. It will thrive on almost any kind of soil. If you have thin, rocky, hard or sour soil, which you wish to enrich, this is just the crop for you to grow. It will make two hay crops the first year and the fodder is considered the best for cows, cattle and hogs.

**We handle only the true, white-flowering variety.** Sow 15 lbs. per acre in early spring alone, or 10 lbs. per acre with other crops. Price, 35c. per lb. Price on larger quantity on application.

**Crimson Clover** (*Trifolium Incarnatum*). Delaware Grown Seed. This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year, although no other crop can be raised on the field that season. Fall or late summer seeding makes it possible to use the field the following season. It is not hardy; flowers crimson. Price, 20c. per lb.; larger quantity prices on application.

**Mammoth Red Clover** (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone or with other crops 10 lbs. per acre; flowers pink. It can be harvested several times in a season. 25c. per lb.; larger quantity prices on application.

**Red Clover, Medium** (*Trifolium Pratense*). More widely known and used than any other, used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. It is not hardy for a period of years, being usually resown every third season; flowers pink. Price, 25c. lb.; larger quantity price on application.

**CLOVERS** (Continued)

**White Dutch or Lawn Clover** (*Trifolium Repens*). This is valuable for pasturage; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone or 5 lbs. if sown on old turf or with other crops. ¼ lb., 20c.; 65c. lb.; 5 lbs., \$3.15; \$6.00 for 10 lbs.; bu. (60 lbs.), \$34.25; \$55.00 per 100 lbs.

**VIRGINIA GRAY WINTER OATS**

Grown principally in the South, where they are hardy. They can be sown further North in the spring and produce good crops. 15c. qt. Larger quantity, price on application.

**DWARF ESSEX RAPE**

For pasturing sheep and hogs. Sow 6 lbs. per acre broadcast. Price on application.

**WINTER RYE**

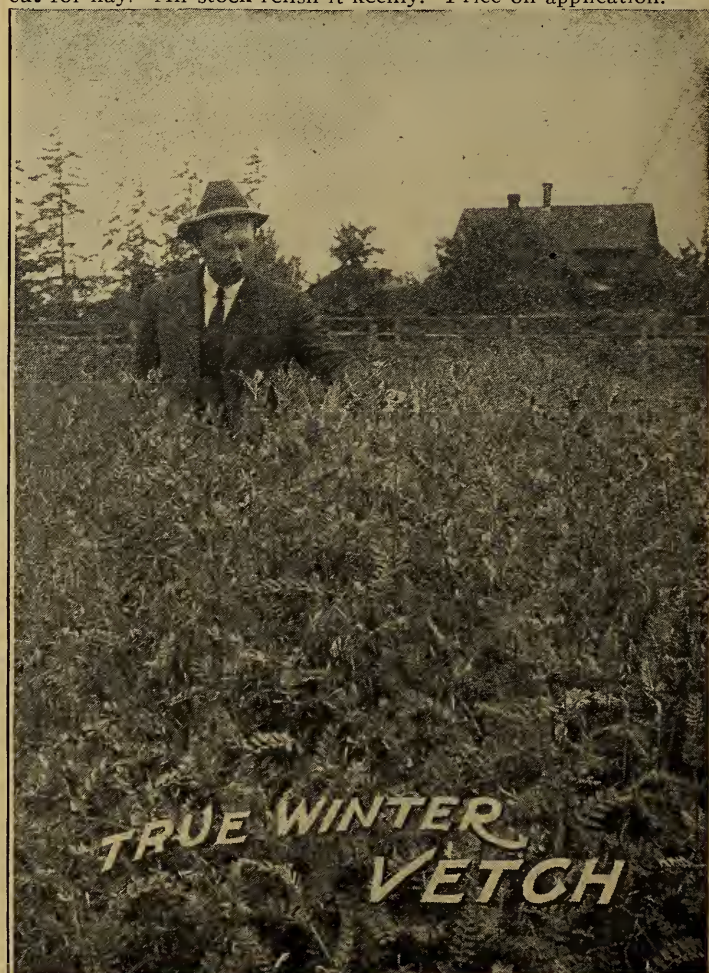
**Penna. Large White.** Sow 1 to 1½ bushels per acre during fall. An excellent green food in spring, and may be used for turning under or harvesting. Price on application.

**RECLEANED TIMOTHY**

Our stock is of very best quality; for sowing among wheat as a second-year hay crop or for sowing alone for a first-year hay crop this is extensively used. Sow ½ bu. per acre alone or 6 to 8 qts. with wheat. 12c. lb. Write for price on larger quantity.

**WINTER VETCH** (*Vicia Villosa*)**True Sand or Hairy Vetch**

Our stock of this is the true type, being imported by us direct from Russia and which will absolutely live throughout the winter. There is also an English strain on the market which is not hardy in the Northern sections of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed in as green manure, or when in flower cut for hay. All stock relish it keenly. Price on application.





## FIELD GROWN CARNATION PLANTS



For winter blooming in conservatory and greenhouse. Our carnation plants are grown at our own nurseries, and will give immediate results indoors. Ready about September 1st.

Single plants can be mailed at prices quoted, plus 10c. each for postage.

	Each	Doz.	100
Alice. Clear blush pink .....	\$0.25	\$2.50	\$15.00
Beacon. Bright red .....	.25	2.50	15.00
Benora. Pure white, penciled red .....	.25	2.50	15.00
Champion. Rich scarlet .....	.25	2.50	15.00
Enchantress. Soft pink .....	.25	2.50	15.00
Enchantress Supreme. Deep pink .....	.25	2.50	15.00
Eureka. Scarlet; very fine .....	.25	2.50	15.00
Gloria. Silver pink .....	.25	2.50	15.00
Good Cheer. Deep pink .....	.25	2.50	15.00
Gorgeous. Rich glowing crimson .....	.25	2.50	15.00
Matchless. Pure white .....	.25	2.50	15.00
Mrs. C. E. Akehurst. Clear rose pink ...	.25	2.50	15.00
Mrs. C. W. Ward. Clear pink .....	.25	2.50	15.00
Princess Dagmar. Crimson .....	.25	2.50	15.00
Rosette. Dark pink .....	.25	2.50	15.00
White Wonder. Large pure white .....	.25	2.50	15.00
White Enchantress. Pure white .....	.25	2.50	15.00



A Cyclamen Flower

## CYCLAMEN PLANTS

Our choice giant flowering strain, produced from our own seeds in our greenhouses. We supply these in white, white and pink eye, crimson, salmon pink and rose. Fine thrifty plants.

4-in. pots, 40c. each; doz., \$4.00; \$30.00 per 100.

## MISCELLANEOUS SEEDLINGS

**Pansy Plants.** Michell's Giant Exhibition strain (ready in September). Mixed colors.

**Myosotis** (*Forget-Me-Not*). Strong seedlings ready in September.

**Bellis Perennis** (*Double Daisy*). Monstrosa strain, white and pink, separate; ready in September

Price of above seedlings, \$1.50 per 100; per 1000, \$12.50.

Not less than 100 seedlings of a kind sold.



"Princess of Wales" Violet

## FIELD GROWN VIOLET CLUMPS

Orders Booked Now

(Ready September 15th)

These extra fine plants will flower freely under glass in winter or in cold frames and outdoors in the early spring. Single plants can be mailed at prices quoted, plus 10c. each for postage.

**Double Russian.** Deep blue (hardy).

**Lady Hume Campbell.** Double, light blue.

**Princess of Wales.** Single blue.

Prices for any of the above extra large plants, 20c. each (by mail, 30c.); \$1.75 per doz.; per 100, \$12.00.

Our Violets are extra large field grown clumps and are worth many times more than small plants at low prices.

## WIRE CARNATION SUPPORTS

	Doz.	100	1000
Mullers Double .....	\$0.75	\$4.50	\$42.00
Richmond Double, No. 11—29 in. ....	.75	5.00	45.00
Richmond Single, No. 11—29 in. ....	.60	3.75	35.00
Model 2 ring .....	.60	3.75	35.00
Model 3 ring .....	.75	4.00	37.50

Plants travel best by express. No plants sent C. O. D.

(1111)



# 64 MICHELL'S HARDY PERENNIALS FOR AUTUMN PLANTING

Fall is one of the best times for setting out perennial plants; they invariably establish themselves quickly and more permanently than when put out in the spring, at which time the season is shorter, a greater rush exists, and the weather frequently gets hot before they have made any growth in their new environment. Autumn planting frequently means a year's difference in results obtained the following spring, and they are usually more gratifying than from spring-set plants.

SHIPPING SEASON RANGES FROM SEPTEMBER TO NOVEMBER 15

**SPECIAL NOTICE.**—We have just compiled, at great expense, a publication, entitled "Hardy Perennials, and How to Grow Them." A copy is yours for the asking.

## Acanthus (Bear's Breech)

**Mollis Latifolius.** Highly decorative. Rose colored, large heart shaped leaves. 3 ft. September. 25c. each; doz., \$2.50; \$17.50 per 100.

## Achillea (Sneezewort)

A graceful plant with finely cut foliage. Flowers are fine for cutting; flowering the entire summer.

**Boule de Neige (Ball of Snow).** An improvement on The Pearl; flower pure white; 2½ feet high.

**Eupatorium.** Brilliant yellow; 4 to 5 ft.

**Millefolium Cerise Queen.** Rich amaranth. An attractive combination when massed with the white variety; 18 ins. high; red.

**Parnica Plena, The Pearl.** Flowers the entire summer on strong, erect stems 2 feet high; of the purest white.

Price of any of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Aconitum (Monkshood or Helmet Flower)

Bushy plants, blooming in clusters of beautiful helmet-shaped flowers from late summer till frost. Well adapted for shade.

**Autumnale.** Deep purplish blue, flowers in September; 3 feet.

**Fischeri.** Grows 18 inches high, yielding pale blue flowers.

**Lycotomum.** A free-flowering pale yellow variety, blooming during June and July.

**Napellus.** Large flowers, dark blue; August and September; 3 to 4 feet.

**Napellus Albus.** A white flowered form of the above; 3 to 4 feet.

**Napellus Bicolor.** Dark blue and white flowers; 3 to 4 feet.

**Spark's Variety.** The darkest blue of all; 5 to 6 feet high.

**Wilsoni.** A variety from Northern China, growing 6 feet high; pale violet blue; flowers in September.

Price of Aconitums, 25c. each; doz., \$2.50; \$17.50 per 100.

## Adonis (Bird's Eye)

These harbingers of spring, with their finely cut ornamental foliage, are of Japanese origin; their golden yellow flowers are the first to greet us, being two weeks earlier than any other hardy perennial.

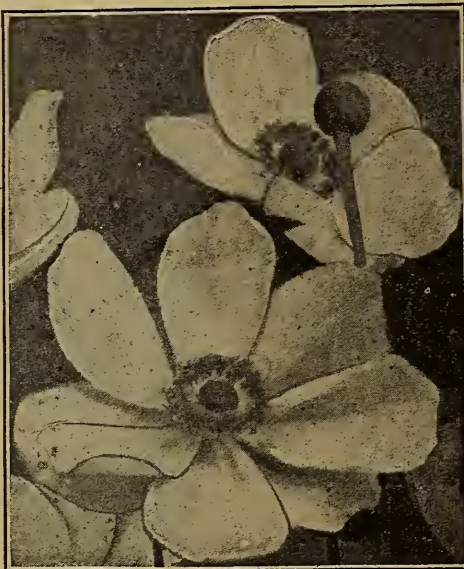
**Amurensis.** Large single yellow flowers; 12 inches high. 50c. each; doz., \$5.00.

**Amurensis Fl. Pl.** Large double yellow flowers; 12 inches high. 50c. each; doz., \$5.00.

**Vernalis.** Bright yellow; 6 inches; April to May. 25c. each; doz., \$2.50; \$17.50 per 100.

## Adenophora

**Potanini.** Handsome bell-shaped blue flowers; borne on branching spikes. 15c. each; doz., \$1.50; \$10.00 per 100.



Anemone Japonica

## Aegopodium (Bishop's Weed)

**Podagraria Variegata.** Green and yellow variegated foliage; 1 foot high. 15c. each; doz., \$1.50; \$10.00 per 100.

## Aetheopappus (New)

**Pulcherrimus.** The flowers, resembling Giant Cornflowers, are of a dazzling pink. Splendid for cutting; July; 2½ feet high. 25c. each; doz., \$2.50; \$17.50 per 100.

## Agrostemma (Rose Campion)

**Coronaria (Mullein Pink).** Tufts of silvery foliage throwing up many silver-lined stems 2 feet high, with bright single crimson flowers during June. 15c. each; doz., \$1.50; \$10.00 per 100.

**Alyssum (Gold Dust or Basket of Gold)** Splendid edging plants. Ideal for rockery; 1 ft. high.

**Rostratum.** Bright golden yellow.

**Saxatile Compactum.** Deep golden yellow.

Price of Alyssums, 15c. each; doz., \$1.50; \$10.00 per 100.

## Anchusa Italica (Sea Bugloss)

**Dropmore Variety.** Plants grow 4 feet high in pyramidal shape; branch freely with bright blue forget-me-not-like flowers from June 15th till late in fall.

**Myosotidaeflora (New).** Dwarf variety; 12 to 15 inches high; covered in April and May with masses of bright blue forget-me-not-shaped flowers.

**Opal.** Similar to the above variety, with large pale blue flowers; from May to July. Any of the above Anchusas, 25c. each; doz., \$2.50; \$17.50 per 100.

## Anthemis (Marguerite)

**Tinctoria.** Large daisy-like golden flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

## Anemone Japonica (Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; flowers in cup form appear some time in August and remain till frost. Plants require winter protection with leaves, straw or long manure, but amply repay one for the extra trouble taken to care for them. Our stock is unusually fine.

**Alba.** Large, pure white; 3 to 4 feet.

**Alice.** While we have some good sorts in white, and lavender pink, there never has been a real pink until this variety was placed on the market. The shade is brilliant, which looms up in the garden; it may be used for splendid effect as a cut flower; height, 15 inches. 25c. each; doz., \$2.50; \$17.50 per 100.

**Coupe d'Argent.** An erect growing, free-flowering variety with large double white flowers; 3 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Enchantment (New).** A beautiful new sort. The large flowers are double, cream-white; back of petals shaded pink, which makes it an excellent combination; 3½ feet. 35c. each; doz., \$3.50.

**Geante Blanche.** This is the largest single white; a fine, bold flower; really one of the very best. 25c. each; doz., \$2.50; \$17.50 per 100.

**Lord Ardilaun.** Pure white flowers, borne on long stiff stems.

**Loreley.** Semi-double mauve pink flowers usually 2½ to 3 inches in diameter; one of the recent introductions. 25c. each; doz., \$2.50; \$17.50 per 100.

**Mont Rose.** Large, perfectly double rose colored flowers; dwarf; compact; 1½ to 2 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Prince Henry.** Deep rich pink double flowers; perfect form.

**Purpurine.** Semi-double flowers; deep rose. 25c. each; doz., \$2.50; \$17.50 per 100.

**Queen Charlotte.** Semi-double flowers of a rich pink shade; one of the finest.

**Rubra.** Rich rosy red, 3 to 4 feet.

**Whirlwind.** Large semi-double, pure white.

Price of Anemones, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100.

## Anemone (Native)

**Pennsylvanica.** The prettiest of all native Windflowers; flowers from June to August; 15 inches high. 15c. each; doz., \$1.50; \$10.00 per 100.



## Aquilegia

For spring flowers these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their elegant foliage during May and June. For rockery gardens, semi-shaded places, in hardy borders or planted in clumps, they look effective.

**Canadensis.** Bright red and yellow.

**Chrysantha.** Bright yellow, long flowers.

**Coerulea.** Blue and white, long spurred.

**Flabellata Nana Alba.** Dwarf; pure white.

**Glandulosa Vera.** Dark blue with white corolla.

**Haylodgensis.** Satiny rose, long spurred; a splendid new sort.

**Helena.** A large blue flowering sort with pure white spurs.

**Nivea Grandiflora.** Pure white; long spurred.

**Rose Queen.** A newer variety of a pleasing shade of delicate pink, long spurred flowers.

**Californica Hybrida.** A grand mixture of long spurred varieties covering all shades and colors in this class.

**Erskine Park Hybrids (Mixed Colors).** A grand mixture of finest varieties, including every color in Columbines.

Price of Aquilegias, 15c. each; doz., \$1.50; 100, \$10.00.

## Arabis (Rock Cress)

Dwarf bushy plants six inches high; ideal for rockeries and borders. It remains in flower a long while, presenting a perfect carpet of bloom.

**Alpina.** Single snowy-white flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

**Alpina Fl. Pl.** Double white, very showy. 25c. each; doz., \$2.50; \$17.50 per 100.

**Alpina Rosea (New).** A distinct novelty. The plants are literally covered with rose-pink flowers in April and May. 25c. each; doz., \$2.50; 100, \$17.50.

## Armeria (Sea Pink or Thrift)

**Maritima Splendens.** Attractive dwarf plants, forming evergreen tufts from which numerous rosy pink flowers grow in dense heads on stiff stems 9 inches high. All summer.

**Maritima Alba.** A white flowered variety of above.

Price of Armerias, 15c. each; doz., \$1.50; \$10.00 per 100.

## Artemisia

**Abrotanum (Old Man).** Dark green foliage, which has a pleasant aromatic odor.

**Lactiflora.** An excellent perennial with flower stems 3 to 4 feet long, covered with creamy white flowers. A planting of these mingled with colored perennials makes a grand sight; blooms continuously from August until late September. 25c. each; doz., \$2.50; per 100, \$15.00.

**Pedemontana.** Very ornamental variety, with finely cut silvery foliage; 2 feet high.

**Stelleriana (Old Woman).** Silvery foliage; extensively used for carpet bedding; 18 inches.

Price of Artemisias, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100.

## Asclepias (Butterfly Weed)

**Incarnata (Swamp Milkweed).** Very showy border plant; 2½ feet high; rose pink flowers in July and August.

**Tuberosa.** A showy plant, 2 feet high, with large heads or clusters of orange flowers blooming in July and August. The bright color is quite a contrast to white and other flowers when planted in the hardy border; fine for cutting.

Price of Asclepias, 15c. each; doz., \$1.50; \$10.00 per 100.

## Hardy Aster (Michaelmas Daisy)

Tall-flowering, stately plants, which may be used with splendid effect in borders and as specimens in lawns, in large groups or beds. It forms the basis of a color scheme in a perennial border during the months of September and October and often lasts well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in sun or partial shade. For cutting they are invaluable. The wide range of color makes this one of our finest summer and autumn flowering perennials.

**Abendrote (Evening Glow).** A very choice variety; 2½ feet high, with rosy red flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

**Advance (New).** Clear Cambridge blue, bright yellow disc; habit similar to Climax; 5 feet; September-October. 25c. each; doz., \$2.50; \$17.50 per 100.

**Amethystinus.** Beautiful amethyst blue; a very rich shade and showy; October-November. 25c. each; doz., \$2.50; \$17.50 per 100.

**Beauty of Colwall.** A grand double-flowering type of a beautiful lavender shade; height, about 4 feet; September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Beauty of Ronsdorf.** Undoubtedly one of the finest hardy Asters; the plants are of a branching habit, covered with large delicate lilac rose flowers from August to October. 25c. each; doz., \$2.50; \$17.50 per 100.

**Climax (New).** A clear light blue, with large golden centre; flowers are often 2 inches across; lasting a long time, when cut. An exceptional beautiful variety for decoration; 4 to 5 feet; September, 25c. each; doz., \$2.50; \$17.50 per 100.

**Ericoides Alba.** Lovely heather-like foliage, densely covered with white flowers; very graceful; September; 3 to 4 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Ericoides Superba.** Graceful branching habit; pale blue flowers; 6 feet; October. 25c. each; doz., \$2.50; \$17.50 per 100.

**Feltham Blue.** One of the most decorative blue varieties; 2½ feet.

**Grandiflorus.** One of the finest, quite distinct from all others. The flowers are of a beautiful dark violet color, often measuring 2 inches in diameter; October-November; 2½ feet. 25c. each; doz., \$2.50; \$17.50 per 100.



Hardy Aster—Perry's Pink

## Hardy Aster (Continued)

**Lady Trevelyan.** Pure white; one of the best for cut flowers; 4 feet; August to October. 25c. each; doz., \$2.50; \$17.50 per 100.

**Marjorie Hickman (New).** Silvery mauve flowers of fine form; good for cutting; 4 to 5 feet; September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Peggy Ballard (New).** The finest introduction of recent years. This is best described as a rosy lilac Beauty of Colwall; of erect habit, producing its flowers in great profusion, which on first opening are perfectly double, eventually passing to semi-double; 4 feet; August. 50c. each; doz., \$5.00.

**Photograph (New).** A very valuable variety; excellent for cutting; 2½ feet; flowers white, shaded lavender. 25c. each; doz., \$2.50; \$17.50 per 100.

**Pharmacoides.** Pure white. Large flowering; 2 feet; August-September.

**Robert Parker.** Fine lavender blue, with yellow centre; very tall; September.

**Roseus Superbus.** A most beautiful Aster; the plant is of sturdy, branching habit, and forms a round flower head; about 2 feet high, with exquisite rose-colored blooms.

**St. Egwin.** Densely branched, producing beautiful pink flowers; 3 feet; September.

**Subcoeruleus.** A dense growing variety, producing masses of blue flowers in June and July; 18 inches.

**White Queen.** Tall growing, pure white, very fine; 4 feet high; September-October.

Price of the above Asters (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.



# MICHELL'S HARDY PERENNIAL PLANTS



Campanula or Bell Flower

## Astilbe Arendsi

The plants of this new Spiraea type are of vigorous growth;  $2\frac{1}{2}$  to 3 feet high, producing branched feathered heads of flowers in June and July. They prefer a half-shaded location in any ordinary garden soil.

**Ceres.** Brilliant lilac rose.

**Davidii.** The stems, which are 5 to 6 ft. high, are crowned with feathery plumes of deep rose violet flowers; June-July. 25c. each; doz., \$2.50; \$17.50 per 100.

**Grandis.** The panicles of white flowers are frequently  $2\frac{1}{2}$  feet long; very attractive; fine foliage; blooms July-August.

**Junio.** Vigorous grower, with plumes of a deep violet color.

**Salmon Queen.** Graceful plumes of a beautiful salmon pink.

**Venus.** Plumes are of a brilliant purplish pink color; charming new variety.

**Vesta.** Light lilac rose plumes; free-flowering.

Price of the above Astilbes, except where noted, 35c. each; doz., \$3.50; per 100, \$25.00.

## Aubrietia (Wall Cress)

A suitable plant for rock gardens; the broad mass of light green foliage is covered with a sheen of flowers in spring and summer; 6 inches high.

**Bougainvillei.** Very showy, purple flowers.

**Graeca.** Deep purple.

**Leichtlini.** Bright reddish crimson.

Price of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Baptisia (False Indigo)

**Australis.** A robust growing plant, suitable for the border or wild garden. Foliage is dark green, deeply cut; the flowers are dark blue, borne on spikes, in June and July; 2 feet high.

**Tinctoria.** Bright yellow;  $2\frac{1}{2}$  feet.

Price of Baptisias, 15c. each; doz., \$1.50; \$10.00 per 100.

## Bocconia (Plume Poppy)

**Cordata.** A splendid plant, growing sometimes 6 feet high, bearing panicles of creamy-white flowers in July and August; makes a grand effect as a centre in a hardy bed or a border background. 15c. each; doz., \$1.50; \$10.00 per 100.

## Boltonia (False Chamomile)

Tall-growing, showy plants, with hardy aster-like flowers appearing in September; 5 to 7 feet.

**Asteroides.** Pure white; 5 to 6 feet.

**Latisquama.** Pink, tinted lavender; 6 feet.

**Latisquama Nana.** Pink, tinted lavender; 2 feet high.

The above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Calimeris (Starwort)

**Incisa.** Attractive border plant, growing from 1 to  $1\frac{1}{2}$  foot high. The daisy-like flowers are of a delicate lavender shade, with a yellow centre; blooms from July to September. 25c. each; doz., \$2.50; \$17.50 per 100.

## Callirhoe (Poppy Mallow)

**Involucrata.** Large crimson flowers with white centre, much resembling a giant mallow or Hibiscus; blooms all summer. 15c. each; doz., \$1.50; \$10.00 per 100.

**Lineariloba.** Large Poppy-like flowers, crimson and white; 9 inches; June-September. 15c. each; doz., \$1.50; \$10.00 per 100.

## Campanula (Bell Flower)

Showy perennial plants of special merit; some are tall, suitable for borders; others are dwarf, for rockeries and edging. In every well-ordered hardy garden Campanulas should have a prominent place. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade, it greatly prolongs the blooming period.

**Alliariaefolia.** Graceful stems of white flowers, blooming in July; 3 feet high.

**Calycanthema (Cup and Saucer).** These are biennials, and last only one season, when planted in the autumn; Pink, White, and Blue, each color separate; height, 18 inches; June-July. 20c. each; doz., \$2.00; \$12.50 per 100.

**Carpatica (Carpathian Hare Bell).** Very dwarf and shrubby; ideal for border or rockery planting, being about 8 inches high; flowers from June till frost. Blue and White, each separate.

**Humosa.** Double blue; July and August. 3 feet. 35c. each; doz., \$3.50.

**Media (Old-fashioned Canterbury Bells).** This is a biennial type, like the Calycanthema, and will last only one season, when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. Blue, Pink and White, in separate colors, also in Mixed colors.

**Persicifolia (Peach Bell).** Extremely hardy, making a splendid show in June, July and August. The stately spikes are tall, often 3 feet high, and present a grand appearance.

**Persicifolia Alba.** Pure white.

**Persicifolia Coerulea.** Light blue.

## Campanula (Continued)

**Persicifolia Moerheimi.** A double form of the white Campanula persicifolia. 25c. each; doz., \$2.50; \$17.50 per 100.

**Pyramidalis (Chimney Bell Flower).** The tallest of all Bell flowers, growing from 5 to 7 feet in height, the massive flower stalks being dressed with the beautiful bells from August till October. Blue and White, each separate, 25c. each; doz., \$2.50; \$17.50 per 100.

**Trachelium (Coventry Bells).** Purple flowers, June and July; 3 feet high.

Price of any of the Campanulas (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.

## Cassia (American Senna)

**Marilandica.** A desirable perennial yielding enormous sprays of oddly formed flowers, bright yellow; the foliage is also showy; 3 to 4 feet; July and August. 15c. each; doz., \$1.50; \$10.00 per 100.

## Caryopteris

**Mastacanthus (Blue Spiraea).** A hardy perennial of the easiest culture, flowering in September and October. The flowers are light blue and are borne in globe-shaped heads; 2 feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

## Catananche (Cupid's Darts)

The flowers resemble somewhat the Cornflower, blooming during July and August.

**Bicolor.** Blue and white; 2 feet high.

**Coerulea.** Bright blue; 2 feet. The above 15c. each; doz., \$1.50; \$10.00 per 100.

## Cedronella (Balm of Gilead)

**Can.** Long spikes of purple, salvia-like flowers, with highly scented foliage;  $2\frac{1}{2}$  feet high; July to September. 15c. each; doz., \$1.50; \$10.00 per 100.

## Centaurea (Perennial Cornflower)

Fine border plants, producing flowers suitable for cutting; 2 feet high; July to September.

**Dealbata.** Bright rose; 18 inches high.

**Macrocephala.** Golden yellow.

**Montana.** Rich violet blue.

**Montana Alba.** Pure white.

The above 15c. each; doz., \$1.50; \$10.00 per 100.

## Cerastium (Mouse Ear)

**Tomentosum.** A low, creeping evergreen, with silvery foliage and white flowers. Good for rockeries, much used for covering graves; does well in the sun. 15c. each; doz., \$1.50; \$10.00 per 100.

## Chamaepeuce (Blessed Thistle)

**Diantha.** Thistle-like, crimson flowers,  $2\frac{1}{2}$  feet high; August and September. 15c. each; doz., \$1.50; \$10.00 per 100.

## Chelone (Shellflower)

Handsome border plants, growing about 2 feet high, and bearing large flower heads during summer and autumn.

**Glabra Alba.** Large spikes of cream white flowers.

**Lyoni.** Handsome perennial, which grows in any soil; lovely soft pink flowers.

**Lyoni Speciosa.** A dwarf light pink variety.

Price of Chelones, 25c. each; doz., \$2.50; \$17.50 per 100.



## Chrysanthemum

**Arcticum** (*Arctic Daisy*). This hardy perennial is a native of Alaska. It is very attractive, having pretty dark green foliage, and in September multitudes of pure white flowers, 2 to 2½ inches across, make their appearance and continue on through October-November. 25c. each; \$2.50 doz.; per 100, \$17.50.

**Maximum Vemorensse**. This variety has done exceptionally well with us in our Nurseries. The flowers are single, borne on stems 18 in. long and often measuring 3 in. in diameter; pure white; July to September. 25c. each; \$2.50 doz., per 100, \$15.00.

**Alaska**. (See Shasta Daisy.)

## Cimicifuga (Snake Root)

**Racemosa**. Tall growing plant, 4 to 6 feet high, well suited for borders or naturalizing at the edge of woods; flowers pure white; July and August. 25c. each; doz., \$2.50; \$17.50 per 100.

**Dahurica**. Bold, erect, cylindrical flower stems, over 4 feet high with a wealth of creamy white flowers in August and September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Simplex**. One of the latest plants to flower in our collection, beginning to bloom in late September and attaining its greatest beauty about Mid-October, when good flowers are scarce. The spikes, 2 to 3 feet long, are covered with beautiful white flowers; excellent for cutting. 35c. each; doz., \$3.50.

## Clematis (Shrubby)

This type deserves a place in every garden. They form erect bushes, 2½ to 3 feet high, with very attractive flowers.

**Davidiana**. Bell shaped, deep blue flowers; Aug.-Sept. 15c. each; doz., \$1.50; \$10.00 per 100.

**Recta**. Pure white; June-July. 25c. each; doz., \$2.50; \$17.50 per 100.

## Coreopsis

**Lanceolata Grandiflora**. Flowers rich golden yellow of graceful form and fine for cutting. A few plants make a handsome display either planted individually or in clumps; the flowers are produced in thousands on a single plant, and where quantity and quality are wanted, Coreopsis should be planted; June till October; 3 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

**Verticillata**. Small yellow flowers; blooms from June to September. 2 ft. 15c. each; doz., \$1.50; \$10.00 per 100.

## Coronilla (Crown Vetch)

**Varia**. A rampant creeper with handsome globular flower heads of showy bright pink and white sweet pea shaped flowers; a useful plant for covering rough banks or for the rockery. 15c. each; doz., \$1.50; \$10.00 per 100.

## Delphiniums (Hardy Larkspur)

The hardy larkspur succeeds well under the most trying conditions, flowering continuously from June till frost.

**Bella Donna**. The most continuous blooming of all; clear turquoise-blue flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

## Delphiniums (Continued)

**Chinense Azureum**. Two feet tall, and branch freely; color, a deep clear blue. 15c. each; doz., \$1.50; \$10.00 per 100.

**Chinense Album**. Same as above in white. 15c. each; doz., \$1.50; \$10.00 per 100.

**Formosum**. Dark blue, white centre, spikes 3 to 4 feet tall, vigorous. 15c. each; doz., \$1.50; \$10.00 per 100.

**Formosum Coelestinum**. Heavenly blue, immense flower spikes. 15c. each; doz., \$1.50; \$10.00 per 100.

**Michell's New Hybrids Mixed**. A splendid mixture of newer and larger flowering sorts. 25c. each; doz., \$2.50; \$17.50 per 100.

**Gold Medal Hybrids**. A fine mixture of all shades. 15c. each; doz., \$1.50; \$10.00 per 100.

## Dianthus (Garden Pinks)

They are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. They are at their height of bloom in June.

**Deltioides (Maiden Pink)**. A continuous flowering variety with pink flowers. Especially suited for rock work.

**Deltioides Alba**. A white flowered variety of above.

Price of Dianthus, 15c. each; doz., \$1.50; \$10.00 per 100.

## Dictamnus (Gas Plant)

One of the hardiest of all perennials, which often will last for a generation and longer. The foliage is fragrant, while the spikes of rather oddly shaped flowers emit a luminous vapor, which is said to be inflammable. Height about 2 feet, flowering in June and July.

**Caucasicus**. A gigantic form, with rose pink flowers of very large size. 25c. each; doz., \$2.50; \$17.50 per 100.

**Fraxinella**. Rose pink flowers with dark veins.

**Fraxinella Alba**. Pure white.

Each of the above, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100.

## Delytra (Bleeding Heart)

**Formosa**. This dwarf-growing species has finely cut ornamental foliage, and produces its attractive pink flowers in great profusion from April to August; 15 inches high. 15c. each; doz., \$1.50.

**Spectabilis**. One of the most beautiful border and shrubby plants, with graceful, fern-like foliage and attractive heart-shaped pink and white flowers appearing in April. Large roots, 20c. each; doz., \$2.00; \$15.00 per 100.

## Doronicum (Leopard's Bane)

This flowers very early in the spring; about 2 feet high. Is most effective when planted in masses. The plants can be taken up in the fall if desired (although they are perfectly hardy) and be made to bloom indoors. It is a fine cut flower, closing towards the end of the day and opening up each morning. Flowers May and June.

**Clusii**. Dwarf; large, soft yellow flowers; 2½ to 3 inches across.

**Caucasicum**. Exceptionally free bloomer, rich yellow; a vigorous grower.

**Plantagineum Excelsum**. Spring-flowering, robust growing variety with deep yellow flowers, appearing at intervals during the entire summer.

Price of Doronicums, 25c. each; doz., \$2.50; \$17.50 per 100.



Delphinium "Bella Donna"

## Echinops (Globe Thistle)

Handsome plants for the border or wild garden.

**Ritro**. A noble effective variety for shrubberies and borders, producing handsome, blue, globular flowers; valuable for cutting. 3½ feet.

**Ruthenicus**. Interesting and showy, solid round heads of lovely blue flowers, on branching stems. 3 feet.

**Sphaerocephalus**. Large, white flowers, fine for a background; plants growing 5 to 6 feet tall.

Price of any of the above Echinops, 25c. each; doz., \$2.50; \$17.50 per 100.

## Edelweiss (Gnaphalium)

**Leontopodium Sibiricum**. This is a favorite Alpine plant of the Swiss Mountains, and is found growing in abundance everywhere on the Alps. The plant is dwarf, about 4 inches high, with gray foliage, which lies close to the ground, is surmounted with stalks of grayish white, fuzzy flowers of a trilobed appearance. The flowers may be cut as an everlasting, and they will keep indefinitely. This is a splendid plant for a rock garden. 25c. each; doz., \$2.50; \$17.50 per 100.

## Eryngium (Sea Holly)

An ornamental plant, 2 to 3 feet high. Especially valuable for shaded locations or wild garden effects. The flower may be cut and dried for winter bouquets; July-September.

**Planum**. Light blue.

**Amethystinum**. The finely cut foliage and the thistle-like flowers are of amethyst-blue color; highly ornamental.

Price of the above Eryngium, 25c. each; doz., \$2.50; \$17.50 per 100.



# MICHELL'S HARDY PERENNIAL PLANTS



**Gaillardia**

## **Erigeron (Flea Bane)**

**Intermedium.** Daisy-like light pink flowers; all summer; 2 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

## **Erinus**

**Alpinus Carmineus.** A charming Alpine plant; grows in the crevices of rocks or walks; producing dainty sprays of rose-colored flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

## **Eupatorium**

This is an effective plant, which produces fuzz-like flower heads, much resembling Ageratum. Appearing from August till frost. It is fine for cutting.

**Ageratoides (White Snakeroot).** Pure white, 3 to 5 feet, flowering in August and September; a fine native plant.

**Coelestinum.** Light blue, flowering in August; 18 to 24 inches.

**Purpureum Maculatum.** Deep purple; fine for low ground.

Price of above Eupatoriums, 15c. each; doz., \$1.50; \$10.00 per 100.

## **Funkia (Plantain or Day Lily)**

These attractive plants make fine effects. Nothing is more handsome in a garden border or a hardy bed edged with the dwarf green and a variegated foliage of the Media Picta variety. If you have a shaded spot which you want to make real attractive, plant some Funkias.

**Coerulea.** Dark green foliage, with light blue flowers.

**Lanceolata.** Lilac flowers; the latest of all; flowering in September.

**Minor Alba.** Dwarf growing variety with white flowers. 12 inches.

**Robusta Elegans Variegata.** The strongest grower among the variegated varieties; large green leaves with white bands. 25c. each; \$2.50 doz., per 100, \$17.50.

**Subcordata Grandiflora.** This is a large loose-growing variety, with large, light blue flowers and broad foliage. 25c. each; doz., \$2.50; \$17.50 per 100.

**Undulata Media Picta.** Green foliage, with distinct white markings. Lavender blue flowers. This is the best of the edging varieties.

The above, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100.

## **Gaillardia (Blanket Flower)**

One of the most useful of the hardy flowers. When planted in clumps, beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 ft.

**Grandiflora.** Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disk. 15c. each; doz., \$1.50; 100, \$10.00.

## **Galega (Goat's Rue)**

The flowers, which resemble a pea blossom, are borne on long racemes in great abundance. It flowers from July until September; height, 2 feet.

**Hartlandii.** The best of the Galegas. Large, handsome blue and white flowers and variegated foliage. 15c. each; doz., \$1.50; \$10.00 per 100.

## **Gentiana (Gentian)**

These are amongst the most desirable of Alpine plants and are of one of the prettiest shades of blue to be found in the garden.

**Andrewsi (Closed Gentian).** Large terminal and auxiliary clusters of blue flowers, about 2 feet high. July-August. 25c. each; doz., \$2.50; \$17.50 per 100.

## **Geranium (Crane's Bill)**

Good summer flowering plant, suitable for rockeries. Perfectly hardy, thriving in almost any soil.

**Fremonti.** Rosy purple; 2 feet.

**Grandiflora.** Large violet blue; 1 foot.

**Platypetalum.** Large, rosy purple flowers; 18 inches.

**Sanguineum.** Bright crimson; 18 inches. The above, 15c. each; doz., \$1.50; \$10.00 per 100.

## **Geum (Avens)**

Bright, showy flowers, which appear in great abundance in the early summer and fall, growing about 18 inches high. Attractive in border plantings.

**Coccineum.** Brilliant rich scarlet. 15c. each; doz., \$1.50; \$10.00 per 100.

**Mrs. Bradshaw (New).** Double, bright scarlet; 18 inches. 25c. each; doz., \$2.50; \$17.50 per 100.

## **Glechoma (Ground Ivy)**

**Variegata.** Very useful variegated creeper for growing over banks or for rockeries. 10c. each; doz., \$1.00; \$7.50 per 100.

## **Gypsophila (Baby's Breath)**

During August and September it is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep perfectly for months without water.

**Cerastioides.** White flowers, marked pink; 3 inches. 15c. each; doz., \$1.50; \$10.00 per 100.

**Paniculata.** Feathery sprays of white flowers; useful for mist-like effects in bouquets. 15c. each; doz., \$1.50; \$10.00 per 100.

**Paniculata flore pleno.** This handsome variety produces pretty double pure white flowers. Splendid for bouquets. 25c. each; doz., \$2.50; \$17.50 per 100.

**Repens.** A useful plant for the rockery, with small white flowers; July-August. 15c. each; doz., \$1.50; \$10.00 per 100.

## **Ornamental Grasses**

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. The best results are attained if planted as individual specimens on the lawn or in large beds. They should not be placed in conjunction with other perennials, being a class by themselves. A variety of sorts planted together, in accordance with the height, makes the best show, in fact, better than planting of one kind placed alone.

**Arundo Donax (Giant Reed).** Tall variety with bluish-green foliage, frequently attaining a height of 20 feet.

**Arundo Donax (Fol. Varieg.).** This variety of Giant Reed has variegated foliage.

**Elymus Glaucus.** A handsome grass, with narrow glaucous silvery foliage; 2 ft.

**Erianthus Ravennae (Plume Grass or Hardy Pampas).** Deep green narrow foliage, growing about 10 feet high.

**Eulalia Gracillima Univittata (Japan Rush).** Graceful narrow foliage, growing 5 to 6 feet high. Bright green with a silvery rib.

**Eulalia Japonica.** The original type, with green leaves. Very strong grower. 15c. each; doz., \$1.50; \$10.00 per 100.

**Eulalia Japonica Variegata.** An attractive kind with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

**Eulalia Japonica Zebrina.** Dark green foliage, is crossmarked horizontally a golden yellow. It is one of the best of hardy Grasses for effect. 4 to 5 feet high.

**Gynerium Argenteum (Pampas Grass).** This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. It varies in height from 7 to 10 feet.

**Phalaris Arundinacea Variegata (Variegated Ribbon Grass or Gardener's Garter).** This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 15c. each; doz., \$1.50; \$10.00 per 100.

**Pennisetum Japonicum (Hardy Fountain Grass).** One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height, 4 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

Price of any of the above Hardy Grasses (except where noted), 25c. each; doz., \$2.50; \$15.00 per 100.

## **Heliopsis (Orange Sunflower)**

**Pitcheriana.** Very similar to a small sunflower, but flowering earlier; deep golden yellow; June till frost; 3 feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

**Scabiosa Zinniaeflora.** A new double flowering form; somewhat resembling a Zinnia in shape; fine for cutting; July to August; 2 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

## **Testimonial**

COLDWATER, MICHIGAN.

The plants arrived in first-class condition and they are great. You are so very kind in your business, that anyone can't help but like to deal with your firm.

JOSEPH HERMANN,

Head Florist at the State Public School.



## Helenium (Sneezewort)

These desirable perennials succeed in almost any soil in a sunny location. The flowers are splendid for cutting.

**Autumnale Rubrum.** Bright terra-cotta red; 5 feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Autumnale Superbum.** Massive spreading heads of deep golden yellow flowers; August-October; 5 feet.

**Cupreum.** Orange crimson; 2 feet.

**Grandicephalum Striatum.** Deep yellow flowers striped and splashed crimson; July and August; 5 feet high.

**Hoopesi.** Orange yellow; large flowers often 2½ inches across; June-July; 2 feet.

**Pumilum Magnificum.** Golden yellow, with large and perfectly formed flowers; very free; July-August; 18 inches.

**Riverton Beauty.** Rich lemon-yellow with dark purple cone; 4 feet; August. 25c. each; doz., \$2.50; \$17.50 per 100.

**Riverton Gem.** Old gold changing to wallflower-red. 25c. each; doz., \$2.50; \$17.50 per 100.

Price of Heleniums (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.

## Helianthus (Hardy Sunflower)

Very effective either in borders, arbors, shrubbery or as clumps on the lawn. They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes.

**Multiflorus fl. pl.** Large, double golden yellow; July-August; 4 feet.

**Oryalis.** Golden yellow; small flowers, long, narrow foliage; September.

**Maximiliana.** The latest of all; blooming profusely in October; the fine golden yellow flowers appear in long, graceful sprays; splendid for cutting; 5 to 7 feet.

**Rigidus Miss Mellish.** Semi-double flowers; 4 to 5 inches across; very long petals of golden yellow; good for cutting.

**Rigidus (The Prairie Sunflower).** Flowers golden yellow, smaller than Miss Mellish, but a very useful variety; July till autumn; 5 feet.

**Wooley Dod.** An entirely distinct variety, golden yellow, semi-double; especially suited for planting on a large scale in shrubberies and borders; 4 feet; September.

Price of the above Helianthus, 15c. each; doz., \$1.50; \$10.00 per 100.

## Helleborus (Christmas Rose)

They flower when practically nothing is in bloom outdoors, actually thrusting their beautiful blossoms through the snow. They succeed almost everywhere, but prefer a sheltered, shaded location. Height, 8 to 10 inches.

**Niger.** Pure white. The best of all Helleborus varieties. 35c. each; doz., \$3.50.

## Hepatica (Liver Leaf)

**Triloba.** An interesting spring flowering plant, with pretty foliage and beautiful flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

## Hemerocallis (Yellow Day Lily)

Lily-like plants, flowering in great profusion during the summer.

**Aurantiaca Major.** Large, orange flowers; one of the best sorts; June-July. 25c. each; doz., \$2.50; \$17.50 per 100.

**Dr. Regal.** One of the finest of the late flowering sorts, producing beautiful rich apricot-colored flowers; 2½ feet. 25c. each; doz., \$2.50; \$17.50 per 100.

**Dumortieri.** Very dwarf, flowering in June; earlier than most other sorts of the better class. Rich yellow flowers, bronze shaded on the back of petals. 20c. each; doz., \$2.00; \$15.00 per 100.

**Flava.** Light yellow flowers, very fragrant; June and July; 3 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

**Florham.** A strong grower; 3 to 3½ ft. high; large trumpet-shaped flowers; rich golden yellow with Indian yellow markings; June-July. 25c. each; doz., \$2.50; \$17.50 per 100.

**Fulva.** Trumpet-shaped flowers, orange colored shaded darker, blooms in June and July; 4 to 5 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

**Kwanso Flore Pleno (Double).** Coppery red; July; 3 feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

**Queen of May.** A splendid new variety, attaining a height of 5 feet; its spikes are terminated with from 12 to 18 flowers of a rich Indian yellow color; May to July. 30c. each; doz., \$3.00.

**Sovereign.** Chrome yellow flowers, sometimes 6 to 9 on a stem; very handsome; 2½ feet high. 35c. each; doz., \$3.50; \$25.00 per 100.

## Hesperis (Rocket)

**Matronalis.** Bushy plants; 3 to 4 feet high, with showy spikes of pink flowers during June and July. 15c. each; doz., \$1.50; \$10.00 per 100.

**Matronalis Alba.** A white flowered form of above. 15c. each; doz., \$1.50; \$10.00 per 100.

## Heuchera (Alum Root)

Desirable dwarf plant of easy culture. Foliage remains close to the ground. During July and August the graceful thin flower-spikes, 2 feet high, appear in profusion.

**Rosea.** Light rose; 2 feet.

**Sanguinea.** Bright scarlet; 2 feet.

**Sanguinea Alba.** Creamy white; 2 feet.

Price of any of the above, 20c. each; doz., \$2.00; \$15.00 per 100.

## Hibiscus (Mallow)

**Crimson Eye.** Immense blooms of purest white with deep crimson eye. July; 4 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

**Moscheutos Roseus.** Large bell-shaped flowers of delicate pink. 15c. each; doz., \$1.50; \$10.00 per 100.

**New Giant Flowering.** A wonderful improved form of our greatly admired Marsh Mallows. They are unusually attractive and form real show plants during their flowering season. They attain a height of 6 to 7 feet, have beautiful lacinated foliage and monstrous flowers, measuring often 6 to 8 inches in diameter. We offer these in three separate colors. *Pink, White, Red.* 25c. each; doz., \$2.50; \$17.50 per 100.



Hollyhocks

## Hieracium (Hawkweed)

**Aurantiacum.** Splendid for rockeries; deep orange; 12 to 18 inches. 15c. each; doz., \$1.50; \$10.00 per 100.

## Hollyhocks

These thrive best in soil that is not too wet; which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter, with leaves, long manure or straw.

**Double Canary Yellow.**

**Double Crimson.**

**Double Maroon.**

**Double Newport Pink.**

**Double Pink.**

**Double Salmon Pink.**

**Double White.**

Separate colors. Hollyhocks as above, 20c. each; doz., \$2.00; \$15.00 per 100.

**Double Mixed, Single Mixed, Allegheny**

**Fringed Mixed.** Mixed Hollyhocks, as above, 20c. each; doz., \$2.00; 100, \$15.00.

## Hypericum (St. John's Wort)

**Adpressum.** Very useful for covering ground in damp places; 6 to 8 inches high. 15c. each; doz., \$1.50; \$10.00 per 100.

**Moserianum.** A very free-flowering plant for the hardy border; the large flowers, often measuring 2 to 2½ inches across, are of a rich golden yellow color; blooms continuously during the summer; 2 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

## Iberis (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. For borders and rockeries they are unsurpassed.

**Sempervirens.** Pure white flowers.

**Sempervirens Snowflake.** An improved form of the above.

Price of Iberis, 15c. each; doz., \$1.50; \$10.00 per 100.



# IRIS—OR FLEUR DE LIS

This class of plants are charming and suited to a variety of purposes. By taking a variety of them, the Iris flowering season can be continued over a period of several months.

## IRIS PUMILA

The first of the Iris to bloom resembling in appearance the German variety; the plants are 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers.

**Violacea.** Dark blue. | **Die Braut.** White. | **Lutea.** Yellow.

Price of any of the above Iris Pumilas, 15c. each; doz., \$1.50; \$10.00 per 100.

## IRIS GERMANICA (German Iris)

This is the popular "Flag Iris," thriving best in a high dry soil; when planting observe that the growing part of the crown protrudes from the soil, and only when established, should this be covered entirely.

**Eugene Sue.** White spotted purple.

**Florentina Alba.** Free-flowering white.

**Gloire de Hillegom.** Light blue; very fine.

**Grachus.** Crimson and white.

**Gypsy Queen.** Lavender-bronze, veined white.

**Her Majesty.** Lovely rose pink. A most beautiful variety. 25c. each; doz., \$2.50; \$17.50 per 100.

**Honorabilis.** Yellow, shaded rich bronze.

**Innocenza.** Pure white.

**Kharput.** Deep pure blue.

**Leonidas.** Clear mauve.

**Mad. Chereau.** White, edged blue.

**Price of any of the above German Iris (except where noted), extra strong roots, 15c. each; doz., \$1.50; \$10.00 per 100.**

**Mixed Varieties.** All colors. 10c. each; doz., \$1.00; \$6.00 per 100.

## IRIS KAEMPFERI (Japanese Iris)

The King of all Iris, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of June into July. The flowers, many of them when spread, measure 8 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich loam.

The names being rather awkward, we have arranged them under number so they can be ordered more readily.

### No. Double or Six-Petaled Varieties

12 **Gosetsu-mai.** White veined and traced aniline blue.

7 **Hodai.** Bright violet veinings, purple standards.

9 **Ho-O-Jo.** Crimson purple.

8 **Mana-zura.** Very large, white with pale blue lines, tufted centre.

13 **Onega-Shina.** Royal purple, white veins.

14 **Renjo-no-toma.** Frilled petals, white centre, very wide border of pale lavender.

15 **Shishi-odori.** Purplish violet, large.

1 **Yomo-no-umi.** Early, double, pure white.



Japanese Iris

### Single or Three-Petaled Varieties

No.

30 **Gekko-no-nami.** Early pure white.

3 **Kuma-Fungen.** White with broad border of magenta lines.

11 **Kan-ran.** White, lightly suffused and veined rosy violet.

21 **Kimi-no-Megumi.** White, densely veined purple.

27 **Shippo.** Light lilac, veined purple.

25 **Yomo-zakura.** Light ground color, densely suffused reddish purple.

20 **Yayaura.** White marbled violet.

Any of above named Japanese Iris, 25c. each; doz., \$2.50; \$15.00 per 100.

**Japanese Iris, mixed colors, 15c. each; doz., \$1.50; 100, \$10.00.**

## IRIS INTERMEDIA (New)

A new type, a cross between the German Iris and Iris Pumila. Is medium early, flowering in between those two varieties. Three choice varieties: **Ceres**, pearl white; **Charmant**, white, blue markings; **Walhalla**, light blue. Price of the above, 25c. each; doz., \$2.50; \$17.50 per 100.

## IRIS SIBIRICA

One of the most elegant of all the Iris groups and among the easiest to grow. **Orientalis. Snow Queen.** A new white-flowered variety of the type; petals broad and full, of snowy whiteness, and with rich golden yellow blotches. 15c. each; \$1.50 doz.; per 100, \$10.00.

**Orientalis. Blue King.** Deep purple, 15c. each; doz., \$1.50; \$10.00 per 100.





## Incarvillea (Hardy Gloxinia)

These tuberous rooted plants produce large trumpet-shaped flowers in clusters; they require a slight protection in winter of leaves, straw or long manure; May and June.

**Grandiflora.** Bright rose. 25c. each; doz., \$2.50; \$15.00 per 100.

## Inula (Flea Bane)

**Ensifolia.** Dwarf, excellent for borders. Golden yellow; July and August.

**Glandulosa Grandiflora.** A very showy plant with numerous bright golden flowers on long leafy stems; 2 feet; June-August.

**Royleana.** Large, handsome, deep yellow flowers; 1½ feet; June-August.

Price of above Inulas, 15c. each; doz., \$1.50; \$10.00 per 100.

## Iris (See page 70)

## Lavendula (Lavender)

**Vera.** A most valuable perennial, producing large sweet-scented flowers. 15c. each; doz., \$1.50; \$10.00 per 100.



Liatris Pycnostachia

## Liatris (Blazing Star)

Tall flower spikes which are very decorative; July till September.

**Pycnostachia.** Light rosy purple; 4 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

**Lilies, Hardy** (See pages 22-23)

## Lily of the Valley

Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. For outdoor planting the large clumps are best. 25c. each; doz., \$2.50; \$18.00 per 100.

## Linum (Flax)

**Perenne.** For the border or rockery. Graceful foliage, blue flowers; 3 feet.

**Perenne Alba.** A white flowered form of the above.

Price of Linum, 15c. each; doz., \$1.50; \$10.00 per 100.

## Lobelia

**Cardinalis (Cardinal Flower).** Makes a fine showing if planted in front of shrubbery or in the herbaceous border; flowers are a vivid crimson on spikes from 2 to 4 feet high; July-August.

**Syphilitica Hybrida.** Blue and white flowers, produced on long spikes; 2 feet; August-September.

Either of the above Lobelias, 15c. each; doz., \$1.50; \$10.00 per 100.

## Lupinus (Lupins)

They flower in May and June; 3 to 4 feet high. In dry weather water liberally.

**Polyphyllus.** Blue. 25c. each; doz., \$2.50; \$17.50 per 100.

**Polyphyllus.** White. 25c. each; doz., \$2.50; \$17.50 per 100.

**Moerheimi.** A new variety, with gigantic flower spikes, which are a combination of pure pink in light and dark shades. 35c. each; doz., \$3.50.

## Lychnis (Campion)

Of easy culture, making large bushy plants. All summer except where noted.

**Chalcedonica.** Heads of brilliant orange scarlet; 2 feet high.

**Chalcedonica Alba.** White; 2 feet high.

**Chalcedonica Carne.** Flesh-colored heads; 2 feet.

**Haageana Hybrida.** Brilliant shades of orange and scarlet, blooming in May and June; height, 12 inches.

**Viscaria (Ragged Robin, London Pride).** Double red flowers on stalks 15 inches high, very showy; June.

Price of any of the above Lychnis, 15c. each; doz., \$1.50; \$10.00 per 100.

## Lythrum (Loose Strife)

It is a rank grower, throwing out flower spikes which are 3 to 4 feet high; flowering from July until September.

**Alatum.** Purplish rose; very free bloomer; 3 feet; July-September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Roseum Superbum.** Rich rose pink. 15c. each; doz., \$1.50; \$10.00 per 100.

**Brightness.** Bright pink; tall erect spikes. 25c. each; doz., \$2.50; \$17.50 per 100.

**Rose Queen.** An improvement of the Roseum Superbum, with larger flowers and longer spikes. 25c. each; doz., \$2.50; \$17.50 per 100.

## Monarda (Bergamot)

Showy plants, 2 to 3 feet high, succeeding in any soil or location. July and August.

**Didyma Cambridge Scarlet (Oswego Tea).** Brilliant scarlet.

**Didyma Salmonea.** Salmon rose. 25c. each; doz., \$2.50; \$17.50 per 100.

**Didyma Violacea Superba.** Bright amarantli red.

**Didyma Rosea (Bee Balm).** Pink.

**Fistulosa Alba.** Very showy plant with white flower heads; 2 to 3 feet; July-August.

Price of the above, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100.

## Montbretia (See page 32)

## Mertensia (Blue Bella)

**Virginica.** An interesting native plant, with handsome light blue flowers. May and June. Height, 1 to 1½ feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

## Nierembergia (Cup Flower)

**Rivularis.** A handsome Alpine plant of creeping habit. Creamy white, cup-shaped flowers. June until September. 15c. each; doz., \$1.50; \$10.00 per 100.

## Oenothera (Evening Primrose)

Flowers all summer. The plants are about 10 inches high, and suitable for either border or rock garden work.

**Eldorado.** Double golden yellow.

**Fraseri.** Deep yellow; 18 inches high.

**Missouriensis.** Golden yellow; large.

**Speciosa.** Pure white; 18 inches high.

**Youngi.** Rich lemon yellow.

Price of any of the Oenothera, 15c. each; doz., \$1.50; \$10.00 per 100.

## Ononis

**Hircina.** A creeping, fast growing plant with pink, pea-shaped flowers, appearing in May and June. 25c. each; doz., \$2.50; \$17.50 per 100.

## Onopordon (Cotton Thistle)

**Tauricum.** A stately plant, with silvery leaves; these, as well as the stems being covered with white fuzzy flowers which resemble a majestic Scotch Thistle. Blooms in June and July. 5 feet high. 25c. each; doz., \$2.50; \$17.50 per 100.

## Orobis (Bitter Vetch)

Excellent for borders or rockeries, flowering in May and June.

**Lathyroides.** Pea-shaped blue flowers; 1 foot high.

**Superbus.** Purple flowering; 1 foot high.

**Vernus.** Deep purple, pea-shaped; 1 foot.

Price of any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

## Pachysandra

An evergreen trailing plant, with thick, glossy foliage, forming a dense mat.

**Terminalis.** Small flower spikes of a grayish white, in May and June. 15c. each; doz., \$1.50; \$10.00 per 100.

## Pardanthus (Blackberry Lily)

**Sinensis.** Lily-like flowers of bright orange, appearing during July and August. 15c. each; doz., \$1.50; \$10.00 per 100.

## Pentstemon (Beard Tongue)

Starts to flower in early summer and lasts until frost.

**Barbatus Torreyi.** Brilliant scarlet.

**Diffusus.** Deep purple; 1½ feet

**Digitalis.** Purplish white flowers with dark purple throat.

**Glaber Hybrids.** Mixed colors; 2 feet.

Price of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Phlox (Miscellaneous)

**Divaricata Canadensis.** The large heads of fragrant lavender flowers appear the latter part of April and in May.

**Phlox Subulata Alba.** The same as Rosea, with pure white flowers.

**Phlox Subulata Rosea (Moss Pink).** Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.

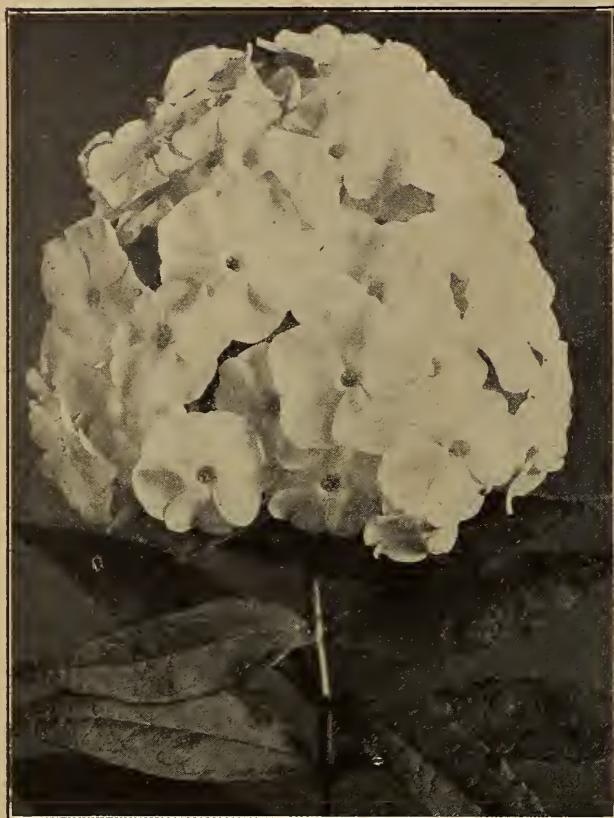
Price of the above Phlox, 15c. each; doz., \$1.50; \$10.00 per 100.

For other Hardy Phlox, see page 72.



# MICHELL'S SUPERB HARDY PHLOXES

PLANTED IN THE AUTUMN, WILL PRODUCE A BRILLIANT SHOW NEXT SUMMER



Phlox "Mrs. Jenkins"

## BICOLORED VARIETIES

**Europa.** Blush white, with a large deep pink center, making it a very showy combination. The flower truss is very large, while the florets are also of gigantic size.

**Grideur.** Soft rosy mauve, heavily suffused and overlaid with a lovely deep shade of cerise, giving the whole a beautiful mottled appearance. 25c. each; doz., \$2.50; \$17.50 per 100.

**Hervor.** Soft rich pink, with a white eye. 25c. each; doz., \$2.50; \$17.50 per 100.

**Wanadis.** Flowers mottled white and light violet. 30c. each; doz., \$3.00; \$20.00 per 100.

**Widar.** Reddish violet, with a distinct white center. 20c. each; doz., \$2.00; \$15.00 per 100.

## WHITE VARIETIES

**Frau Anton Buchner.** Very large pure white flower truss with gigantic individual florets. It makes a fine edging for a bed of hardy phlox, being of a very dwarf nature. 25c. each; doz., \$2.50; \$17.50 per 100.

**Jean d'Arc.** One of the latest white flowering.

**Mrs. Jenkins.** Of medium height, with immense clusters of pure white flowers; very effective when planted in masses.

**Von Lassburg.** The Queen of all clear white phloxes; trusses and single flowers are immense in size. As the plant is rather dwarf, it should always be planted in the foreground.

## PURPLE AND LAVENDER VARIETIES

**Africa.** Rich royal purple, suffused crimson. This shade in phlox is much in demand. 25c. each; doz., \$2.50; \$17.50 per 100.

**Antoine Mercie.** Light ground, suffused lilac.

**Asia.** Rich shade of mauve. 25c. each; doz., \$2.50; \$17.50 per 100.

**B. Comte.** Brilliant rich purple; a fine variety.

**Eugene Danzanvilliers.** Delicate lavender; very attractive.

**Iris.** A variety of rare merit. It is a deep reddish violet, of compact, erect habit, with flower trusses that rival any others for size. 25c. each; doz., \$2.50; \$17.50 per 100.

**Le Mahdi.** Of the shades of blue offered to-day, there are many which approach magenta; for this reason we highly recommend this sort, which is a royal deep purple.

**W. C. Egan (New).** Pale lilac, with intense solferino red eye. 20c. each; doz., \$2.00; \$15.00 per 100.

## PINK VARIETIES

**Elizabeth Campbell.** Identical in shade of color with Mrs. John Laing Rose; delicate, refreshing pink with a white eye.

**Linfield Beauty (New).** The salmon pink phlox of the future. 25c. each; doz., \$2.50; \$17.50 per 100.

**Madame Paul Dutrie.** Delicate soft pink, resembles a delicate orchid. The flower trusses are enormous.

**Rheinlander (New).** Deep salmon pink, with bright red eye; of vigorous growth and branching habit. Enormous flower trusses, which appear very early. 20c. each; doz., \$2.00; \$17.50 per 100.

**Rheinstrom.** A splendid new phlox with gigantic flowers of a bright pink. 25c. each; doz., \$2.50; \$17.50 per 100.

**Rosamundi.** The best of its color; a vigorous grower, producing freely great spikes of enormous soft rose flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

**R. P. Struthers.** Deep salmon pink, dark center, very large.

**Wm. Robinson.** Carmine pink, with deep crimson eye.

## RED AND SCARLET VARIETIES

**Baron von Dedem.** Deep pink, suffused orange; immense trusses.

**Coquelicot.** Brilliant orange scarlet, with a large truss.

**Dr. Konigshofer.** Brilliant orange scarlet, with dark blood red eye. 25c. each; doz., \$2.50; \$17.50 per 100.

**Fernand Cortez.** Cerise pink, with a purple eye.

**General von Heutsz.** This produces immense flowers, which are of a delicate salmon scarlet, with a lavender eye.

**Geo. A. Strohleim.** Bright scarlet, with crimson red eye.

**Gen. Chanczy.** Orange, suffused scarlet; purple eye.

**Goliath.** A tall grower, attaining a height of 3 feet. The flower trusses are large and of a bright cerise color with deep eye.

**Matador.** Cherry red, crimson eye; dark foliage.

**Matagnard.** Dark purple claret; large spikes and flowers.

**Professor Virchow.** Bright carmine, shaded orange red. 25c. each; doz., \$2.50; \$17.50 per 100.

**Tragedie.** Carmine red, with a distinct blood red eye. 30c. each; doz., \$3.00; \$20.00 per 100.

**Von Hochberg.** Rich deep crimson. 25c. each; doz., \$2.50; \$17.50 per 100.

## PHLOX ARENSDI

A new dwarf class, from 12 to 24 inches high. The plants are of vigorous, branching habit and continue to flower from the latter part of May until the end of July.

**Amada.** 12 inches high; delicate lilac with deeper center.

**Charlotte.** 18 to 24 inches high; pale lilac shaded pink.

**Grete.** 20 inches high; flowers pure white.

**Kathe.** 20 inches high; flowers purplish rose, dark eye.

**Louise.** 2 feet high; strong grower; light lilac with a carmine eye.

Price of any of the above Phlox Arensdi, 25c. each; doz., \$2.50; \$17.50 per 100.

## PHLOX SUFFRUTICOSA

These differ from the others in that the foliage and stem are deep green and glossy, and they begin to blossom in June and remain in bloom until October.

**Hercules.** Bright rosy lilac.

**Fantasy.** Rosy mauve.

**Indian Chief.** Bright dark purple.

**Miss Lingard.** White, lilac eye.

**Mrs. Greenlee.** White, center rosy lilac.

**Ringleader.** White, veined pale cherry red.

**Snowdon.** Pure white.

Price of any of the above Phlox Suffruticosa, 25c. each; doz., \$2.50; \$17.50 per 100.

**Special Offer:** One each of the above seven varieties for \$1.50.



## Physostegia (False Dragon Head)

Attractive perennials, blooming July and August; 3 to 4 feet high; throwing up spikes, decked with delicate tube-shaped flowers.

**Virginica.** Delicate soft pink.

**Virginica Alba.** Pure white.

**Speciosa.**

Price of either of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Hardy Garden Pinks (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are perfect as an edging for the hardy border; as cut flowers, they are indispensable.

**Carmen.** A fine early light pink.

**Her Majesty.** One of the best; pure white.

**Homer.** Rosy-red, with dark centre. 25c. each; doz., \$2.50; \$15.00 per 100.

**Juliette.** White, bordered crimson.

**White Reserve.** Flowers the entire summer; pure white.

Price of any of the above hardy garden pinks (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.

## Platycodon (Japanese Bell Flower)

Very useful for cutting, and with a very long flowering season, lasting from June until October. Height, 2 to 3 feet.

**Grandiflorum.** Beautiful blue; very handsome.

**Grandiflorum Album.** Identical with the above, except the color, which is pure white.

Price of either of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Physalis (Lantern Plant)

**Alkekengi.** Ornamental variety of the Ground or Winter Cherry. The lantern-like, orange-red fruits are highly interesting; 2 feet high.

**Francheti.** Similar to the above, except the fruits have a more brilliant color.

Price of Physalis, 15c. each; doz., \$1.50; \$10.00 per 100.

## Plumbago (Leadwort)

**Larpentae.** A dwarf spreading plant, splendid for rock garden and for edging hardy borders. During summer and fall months it is covered with rich deep blue flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

## Polemonium (Jacob's Ladder)

Handsome border plants, about 1 foot high, succeeding best in a semi-shaded location. June-September.

**Richardsoni.** Sky blue with golden anthers.

**Richardsoni Alba.** A white form of the above.

Price of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Iceland Poppies

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Flowers continuously the entire summer.

**Orange King (Orange Yellow).**

**White. Yellow. Mixed Colors.**

Any of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Oriental Poppies (Papaver)

The gorgeous colored flowers of the Oriental type make a rich, brilliant show. These bloom usually in July. After the flowering period the plants have a tendency to take on the appearance as if they were dead. But they return to vigor usually as soon as the weather becomes cool.

**Fuerstenkind.** Brilliant scarlet.

**Goliath.** One of the most effective, large flowers of a rich scarlet.

**Mrs. Perry.** Soft salmon rose.

**Mahony.** Crimson maroon, shaded mahogany.

**Marie Studholme.** Pure salmon, shaded silvery.

**Rose Queen.** Clear salmon pink.

**Silberblick.** Silvery white, shaded salmon.

**Princess Victoria Louise.** Beautiful shade of salmon pink.

Price of any of the above Oriental Poppies (except where noted), 25c. each; doz., \$2.50; \$17.50 per 100.

## Potentilla (Five Fingers)

Handsome plants, with brilliant flowers, which appear in great profusion from June until August. They do well in any soil; 18 inches high.

**Atrosanguinea.** Velvety, brilliant red single flowers; plant of branching habit; covered with bloom from June to autumn.

**Formosa.** Fiery orange, with light yellow.

**Hoopwoodiana.** Dark red, shaded yellow.

Price of Potentillas, 25c. each; doz., \$2.50; \$17.50 per 100.

## Prunella

**Grandiflora.** Dwarf growing plant, suitable for shady places and rockery work. Blooms continuously all summer. Purple flowers.

**Incisa.** Bright rosy purple.

Price of Prunellas, 25c. each; doz., \$2.50; \$17.50 per 100.

## Primula (Hardy Primrose)

One of the first of the early spring flowers which delight in a rich soil, preferably in a semi-shaded location.

**Acaulis Alba Plena.** Double white. 25c. each; doz., \$2.50.

**Acaulis Lilac.** Very early and prolific. 25c. each; doz., \$2.50.

**Auricula.** A mixture of brilliant shades of red and yellow, of seed saved from the finest strains.

**Polyanthus.** Velvety red, edged golden yellow.

**Polyanthus Giant Crimson.** (New.)

**Veris (English Cowslip).** A mixture, covering various shades of red and yellow. 10c. each; doz., \$1.00; \$7.50 per 100.

**Veris Superba.** A giant flowered form of P. veris. Golden yellow. 20c. each; doz., \$2.00; \$12.50 per 100.

**Vulgaris.** The English yellow Primrose.

**Vulgaris Blue.** A blue flowered variety of the English Primrose.

Price of any of the above (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.



Oriental Poppy "Goliath"

## Pyrethrum

This is one of the handsomest perennials in cultivation to-day. The large daisy-like flowers appear as early as June and bloom continuously until September. They delight in a rich soil with a natural drainage. They thrive best in the full sunlight. As the flowers die, the old stems should be cut off to encourage new blooms.

**Uliginosum.** Giant flowering. Single white; 4 to 5 feet.

**Hybridum, Single Mixed.** Splendid shades; 2½ feet.

Price of any of the above Pyrethrums, 15c. each; doz., \$1.50; \$10.00 per 100.

## Rudbeckia (Cone Flower)

A variety of these will furnish a supply of cut flowers from early July until September. They are extremely hardy, doing well with every one. They could be termed "a city garden perennial," doing so well with little attention.

**Golden Glow.** Double canary yellow; 6 feet; flowers in August.

**Newmanni.** Single dark orange with deep purple cone centre; 3 feet high; flowers from July to September.

**Purpurea (Giant Purple Cone Flower).** The flowers remain in perfect condition on the plants for weeks at a time. In fact, we do not know of any other perennial where the flowers last so long in perfect condition. Flowers from July to September; 2½ feet high.

**Autumn Sun.** A splendid single flowering sort; very showy. It has long, broad petals of a bright primrose yellow; 5 to 6 feet high; flowers from August to October.

**Rays of Gold.** An improved form of the well-known Golden Glow. The flowers have the same golden color, but have narrow petals, which form a perfect globe.

Either of the above, 15c. each; doz., \$1.50; \$10.00 per 100.



# 74 MICHELL'S GORGEOUS DOUBLE PAEONIES (Roots)

Paeonies, especially the newer varieties, are probably the most valuable of all perennial plants. Planted in the sun or semi-shade, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage, which is very ornamental during the summer months. They are most effective for house and table decorations, and last longer in water than many other perennials. No disease or insect rarely trouble the Paeony. The roots are perfectly hardy, and once planted remain for years.



*Paeony Candidissima*

## PINK VARIETIES

<b>Achille.</b> Beautiful shell-pink, changing to lilac white. Early	Each	Doz
.....	\$0.25	\$2.50
<b>Beaute Francaise.</b> Lilac-rose, with a cream white collar; centre spotted carmine; very fragrant. Mid-season	.....	.....
.....	.35	3.50
<b>Berlioz.</b> Perfect form. Large magenta rose color; silver tipped. Late	.....	.....
.....	.35	3.50
<b>Dr. Bretonneau.</b> Lilac rose, with cream white centre, flecked crimson. Mid-season	.....	.....
.....	.30	3.00
<b>Carnea Elegans.</b> Of a clear flesh color, glossy reflex. A free bloomer. Mid-season	.....	.....
.....	.35	3.50
<b>Charlemagne.</b> Excellent variety. Lilac white, with a light pink centre. Fragrant. Late	.....	.....
.....	.50	5.00
<b>Clarisse.</b> Beautiful rose pink, with silvery pink centre; fine form and habit. Mid-season	.....	.....
.....	.25	2.50
<b>Delicatissima.</b> Pale lilac rose, free habit; fragrant. Mid-season	.....	.....
.....	.30	3.00
<b>Duc de Cazes.</b> Bright pink, silvery reflex. Early	.....	.....
.....	.25	2.50
<b>Edulis Superba.</b> A bright mauve pink color, with narrow edges of lilac. Early	.....	.....
.....	.25	2.50
<b>Eugenie Verdier.</b> Giant globe-shaped flower of a soft pink color. Mid-season	.....	.....
.....	.50	5.00
<b>Faust.</b> Delicate flesh pink. Mid-season	.....	.....
.....	.25	2.50
<b>Grandiflora Rosea.</b> Full globe-shaped flower, light solferino red petals, salmon centre. Mid-season	.....	.....
.....	.30	3.00
<b>L'Indispensable.</b> Perfect shaped flower of a delicate cream color, beautifully shaded pink in centre. Very striking variety. Mid-season	.....	.....
.....	.50	5.00
<b>Lady Bramwell.</b> Delicate silvery pink. Mid-season	.....	.....
.....	.25	2.50
<b>Mme. Forel.</b> A beautiful shade of light pink, with a silvery tipped centre. Late	.....	.....
.....	.50	5.00
<b>Mons. Krelage.</b> Dark pink. Late	.....	.....
.....	.50	5.00
<b>Marie Lemoine.</b> Very large, compact flower. Delicate white rose, with a creamy centre. Late	.....	.....
.....	.50	5.00
<b>Mme. Leonie Calot.</b> Delicate rosy white, centre petals slightly tipped carmine. Mid-season	.....	.....
.....	.50	5.00

## WHITE AND LIGHT SHADES

<b>Agnes Mary Kelway.</b> White tinted rose, cream centre. Early	Each	Doz.
.....	\$0.25	\$2.50
<b>Alba Plena.</b> A giant flower of the purest white. Mid-season	.....	.....
.....	.25	2.50
<b>Candidissima.</b> Creamy white, sulphur-yellow centre. Early	.....	.....
.....	.30	3.00
<b>Couronne d'Or.</b> Snowy white with yellow reflex and deep pink edges on a few petals. Late	.....	.....
.....	.50	5.00
<b>Duc de Wellington.</b> Large, sulphur-white flower of great fragrance and with long stems. Late	.....	.....
.....	.35	3.50
<b>Duchesse de Nemours.</b> Pure white, with a sulphur white centre; very early and extra fine. Early	.....	.....
.....	.30	3.00
<b>Festiva Maxima.</b> Beautifully shaped flower, often 7 to 8 inches in diameter. Pure white, splashed red. Late	.....	.....
.....	.40	4.00
<b>La Rosiere.</b> Imbricated petals of yellowish white with straw yellow centre. Mid-season	.....	.....
.....	.35	3.50
<b>Queen Victoria.</b> Pure white; cream centre. Mid-season	.....	.....
.....	.25	2.50
<b>Zoe Calot.</b> Pure white; suffused rose. Mid-season	.....	.....
.....	.25	2.50

## RED AND DARK SHADES

<b>Anemoneflora Rubra.</b> Anemone form, having a broad collar; a beautiful dark crimson. Mid-season	.....	.....
.....	.30	3.00
<b>Delachi.</b> Large flowers of a deep purple color. Late	.....	.....
.....	.30	3.00
<b>Felix Crousse.</b> Large bright red flowers. Mid-season	.....	.....
.....	.50	5.00
<b>General MacMahon.</b> Large anemone-shaped flower of a deep violet color. Mid-season	.....	.....
.....	.50	5.00
<b>L'Eclatante.</b> Brilliant red. Mid-season	.....	.....
.....	.25	2.50
<b>Louis Van Houtte.</b> Crimson maroon. Late	.....	.....
.....	.30	3.00
<b>Meissonier.</b> Loose reddish purple flowers on tall stems. Very fragrant. Mid-season	.....	.....
.....	.35	3.50
<b>Victor Hugo.</b> Brilliant carmine red. Late	.....	.....
.....	.50	5.00

## PAEONY CHINENSIS

This is the common garden variety in cultivation most everywhere.

	Each	Doz.	100
<b>Double Red.</b> Large roots	.....	\$0.25	\$2.50 \$15.00
<b>Double White.</b> Large roots	.....	.25	2.50 15.00
<b>Double Pink.</b> Large roots	.....	.25	2.50 15.00

## PAEONY OFFICINALIS (The Old Fashioned Paeony)

Fragrant flowers of immense size, flowering early in May and having a distinct foliage and growth.

	Each	Doz.	100
<b>Rosea.</b> Double pink	.....	\$0.30	\$3.00 \$20.00
<b>Rubra.</b> Double red	.....	.30	3.00 20.00
<b>Alba.</b> Double white	.....	.30	3.00 20.00

One each of the above 3 colors for 75c.

## DOUBLE TREE PAEONIES

These very beautiful and free-flowering paeonies are from 2 to 3 weeks earlier than any other variety and the flowers, often measuring a foot in diameter, include every shade from white and softest pink to the most brilliant scarlet and purple. Orders booked for spring delivery.

<b>Abraham Lincoln.</b> Deep velvety amaranth; very double.	
<b>Confucius.</b> A beautiful shade of purplish scarlet, single.	
<b>Jeanne d'Arc.</b> Salmon rose with dark centre, single.	
<b>Bijou de Chusan.</b> Pure white, yellow centre, semi-double.	
<b>Etna.</b> Brilliant fiery red.	
<b>Lambertiana.</b> Pure white, suffused with delicate rose.	
<b>Louise Mouchelet.</b> Beautiful silvery rose; extra large flower.	
<b>Queen of Belgiums.</b> Blush shaded salmon rose.	
<b>Beauty de Cologne.</b> Salmon rose, suffused flesh colored.	
<b>Rosea Superba.</b> Salmon rose; semi-double. Beautiful.	

Any of the above varieties; extra strong plants, \$1.00 each; per doz., \$11.00; (or 1 of each for \$9.00).

## PAEONIA TENUIFOLIA Flore Plena

An early flowering specie with fern-like foliage and double deep crimson flowers, a shade like the Jacq Rose. Blooms very early in May, sometimes latter part of April. Each, 30c.; per doz., \$3.00; \$20.00 per 100.

Paeony Culture is fully covered by Michell's Bulb Growing Guide. Ask for a free copy.



## Ranunculus (Buttercup)

**Acris Fl. Pl.** A dainty double sort with yellow, button-like flowers; 2 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

## Salvia (Meadow Sage)

**Azurea.** The plant is covered with a mass of rich sky blue flowers, commencing in July and lasting until September; about 3 feet tall. 15c. each; doz., \$1.50; \$10.00 per 100.

**Salvia Virgata Nemorosa.** This splendid new variety grows into a shapely dense bush form, above which tower the flower spikes, decked with many deep blue blossoms. Blooms continuously from July to September; 2½ feet.

**Greggii.** Cerise crimson; 2½ to 3 feet. Blooms the entire summer. 35c. each; doz., \$3.50; \$25.00 per 100.

**Uliginosa.** A beautiful late sort of an attractive shade of blue with a distinct white eye. The plant is of upright habit, branching, and grows about 5 feet high. It blooms freely and flowers practically at every axil. 15c. each; doz., \$1.50; \$10.00 per 100.

**Pitcheri.** Similar to the Azurea, but of more branching habit; the flowers are very large and of a deep blue color; 3 feet high; July-September.

**Sclarea.** An interesting variety. Pale purple flowers, lower lip white; 3 feet; June and July. 15c. each; doz., \$1.50; \$10.00 per 100.

Price of the above Salvias (except where noted), 25c. each; doz., \$2.50; \$17.50 per 100.

## Saturela (Savory)

**Montana.** An evergreen, aromatic plant with slender, branching stems; 12 in. high; covered with snowy white flowers in August and September. 25c. each; doz., \$2.50.

## Saxifraga

These are exceedingly valuable for the front of the border or shrubbery, also for rockeries. The plants form masses of handsome, deep green foliage, and the flowers appear very early in spring, as soon as the frost is out of the ground; they will thrive in any kind of soil and in any location; 1 foot high.

**Cordifolia.** Light pink.

**Croesus.** Red.

**Delia.** Crimson purple.

**Orbiculare.** Deep rose.

**Stracheyi Alba.** White.

Price of Saxifragas, 25c. each; doz., \$2.50.

## Scabiosa

The hardy variety is even of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently 3 inches and more in diameter. As a cut flower few perennials can equal. It lasts a long while in water. The average height is about 2½ feet.

**Caucasica.** A delicate shade of lavender blue, starting in flower in June and lasting well through the summer.

**Caucasica Alba.** White. Like the above, except the color.

**Japonica.** Rich lavender blue; July and August.

**Lutea Gigantea.** Sulphur yellow; 6 feet high; July-August.

Price of Scabiosas, 25c. each; doz., \$2.50; \$17.50 per 100.

## Saponaria (Soap Wort)

**Caucasica.** Double white, tinted rose, flowering all summer; 15 inches high.

**Ocymoides.** A splendid plant for rock work, growing only 9 in. high. Covered through the whole summer with masses of small, brilliant pink flowers. Either of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Scutellaria

**Coelestinum.** A dwarf spreading Alpine plant, with bright blue flowers; splendid for rockeries; July-August. 15c. each; doz., \$1.50; \$10.00 per 100.

## Stachys (Wound Wort)

An attractive plant, 12 to 15 inches high; flowering in June and July.

**Betonica Rosea.** Rich brilliant pink.

**Lanata.** An ideal edging plant with bright silvery-white woolly foliage. The flowers, which are rather small, are bright purple; 8 inches high.

Either of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Shasta Daisy

The glistening white flowers, often 5 inches in diameter, with an attractive yellow centre, begin to appear the latter part of July and last almost till snowtime. The flower stems are long and rigid. For cutting there are few perennials that approach it as regards keeping qualities.

**Alaska.** Pure white, yellow centre. 25c. each; doz., \$2.50; \$17.50 per 100.

## Sedum (Stonecrop)

**Acre.** The foliage of this is a distinct attraction in itself, being of a yellowish green shade; for covering rockeries, in borders or beds on cemetery lots it is indispensable. The flower, which appears in July, is bright yellow and lasts on the plant a long while; height, 6 inches.

**Album.** Green foliage, white flowers; height, 6 inches.

**Maximum Atropurpureum.** Dark bronzy-purple foliage; red flowers. 25c. each; doz., \$2.50; \$17.50 per 100.

**Sexangulare (Love's entangle).** Dark green foliage; yellow flowers; 6 inches.

**Sieboldii.** Roundish foliage, with a blue cast; the flowers, which appear in August and September, are bright pink.

**Spectabilis.** This variety grows about 18 inches and flowers in June, foliage light green, immense heads of pink flowers.

**Spectabilis Brilliant.** One of the prettiest tall growing species, reaching a height of about 18 inches; broad light green foliage and richly colored flowers of amaranth red. September-October. 25c. each; doz., \$2.50; 100, \$17.50.

**Stahli.** Compact variety with crimson tinted foliage in autumn.

Price of any of the above, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100.

## Senecio (Groundsel)

**Clivorum.** A very effective plant with large green foliage and loose branching heads of bright yellow flowers; 3 to 5 feet high. Good for low, damp locations. 25c. each; doz., \$2.50; \$17.50 per 100.



Rudbeckia Golden Glow (see page 73)

## Silene (Catchfly)

Charming Alpine plants, in bloom from spring until fall; fine for rockeries.

**Alpestris.** Star-shaped, white flowers on slender stems; 6 inches.

**Asteria Grandiflora.** Bright red flowers; all summer; 3 feet high.

**Schafta.** Rosy purple; 4 inches high; July to October.

Price of above Silenes, 15c. each; doz., \$1.50; \$10.00 per 100.

## Solidago (Golden Rod)

**Altissima.** The finest of the Golden Rods, growing 4 to 5 feet high, with stately panicles of bright golden yellow flowers from July to September.

**Canadensis.** Our native Golden Rod; deep yellow flowers in August and September; 4 feet.

**Golden Wings.** The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers from July to September. 25c. each; doz., \$2.50; \$17.50 per 100.

Price of Solidagos (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.

## Testimonial

COLDWATER, MICHIGAN.

The plants arrived in first-class condition and they are great. You are so very kind in your business, that anyone can't help but like to deal with your firm.

JOSEPH HERMAN,

Head Florist at the State Public School.



# MICHELL'S HARDY PERENNIAL PLANTS



Stokesia

## Spiraea (Drop Wort)

Graceful border plants with feathery plumes of flowers; specially adapted for shady positions.

**Aruncus.** A majestic plant, growing 4 to 6 feet high; large plummy foliage and massive plumes of white flowers; fond of moisture and shade.

**Filipendula fl. pl.** A charming variety with double white flowers and deeply cut foliage; 1½ feet; June and July.

**Palmata (Crimson Meadow Sweet).** Purplish red stems and crimson purple flowers; 3 feet; June-July.

**Ulmaria fl. pl.** Double white; 3 ft; June-July.

**Venusta Magnifica.** A magnificent new sort with intense rosy red, fragrant flowers; 4 to 5 feet; June-July. 50c. each; doz., \$5.00.

Price of above Spiraeas, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100. For other Spiraeas, see page 35.

## Statice (Sea Lavender)

Principally grown for dried winter bouquets.

**Gmelini.** Immense panicles of flowers of a delicate light blue color; 15 inches high; July to October.

**Latifolia.** Gigantic heads of dark blue flowers; June to October.

**Eximia.** Large panicles of pretty lilac flowers 15 to 18 inches high.

**Tartarica.** Deep lilac flowers, which appear all summer; 15 to 18 inches high.

Price of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Stokesia (Corn Flower Aster)

The flower has the appearance combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Succeeds in most any location.

**Cyanea.** Very light blue.

**Cyanea Alba.** Pure white.

Price of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Sylphium (Cup Plant)

**Perfoliatum.** Large, beautiful foliage plants, with opposite leaves, which join around the stem forming cup-like cavities; flowers yellow in corymbose heads. 25c. each; doz., \$2.50; \$17.50 per 100.

## Thalictrum (Meadow Rue)

Very graceful plants with handsome, finely cut foliage; they make splendid border plants; also useful for rockeries.

**Aquilegiafolium Atropurpureum.** Rosy purple; 3 feet.

**Aquilegiafolium Album.** White; 3 feet.

**Aquilegiafolium Album Compactum.** A compact growing form of the Columbine-leaved Meadow Rue, not over 2 feet high; flowers of purest white in large heads. 35c. each; doz., \$3.50.

**Flavum.** Rich yellow; 2 feet.

**Adiantifolium.** Foliage resembles the Maiden Hair Fern; miniature white flowers appear in profusion in June and July; 12 inches.

**Dipterocarpum.** Valuable for cut flowers. The individual plants are of a rosy purple color; 4 feet; June to August. 35c. each; doz., \$3.50.

Price of above Thalictrums, except where noted, 25c. each; doz., \$2.50; \$17.50 per 100.



Veronica Longifolia Subsessilis

## Trollius (Globe Flower)

An early flowering plant, lasting in bloom till August. It prefers a shaded location; while hardy, we recommend a slight protection to the plant in winter; height, 12 inches.

**Caucasicus "Orange Globe."** A fine bold variety, with large, deep-orange colored flowers.

**Europaeus.** Bright yellow.

**Japonicus "Excelsior."** Very deep orange colored flowers.

Price of any of the above, 25c. each; doz., \$2.50; \$17.50 per 100.

## Thermopsis

**Fabacea.** A tall growing, very showy plant, which produces long spikes of yellow flowers from June to August. 15c. each; doz., \$1.50; \$10.00 per 100.

**Caroliniana.** A showy, tall growing plant, 3 feet high; long spikes of yellow flowers in June and July. 25c. each; doz., \$2.50; \$17.50 per 100.

## Trillium (Wood Lily)

Excellent for shaded position, flowering very early in spring. It looks best when planted promiscuously among hardy plants.

**Erectum.** Purple.

**Grandiflorum.** White.

Price of Trilliums, 10c. each; doz., \$1.00; \$6.50 per 100.

## Tritoma

(Flame Flower, Torch Lily or Red Hot Poker Plant)

In summer and autumn when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with autumn leaves or ornamental grasses make a handsome effect. Though the roots are considered hardy, we, however, recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar. There are a number of varieties in commerce, but the sort mentioned below seems to be demanded most and fills every need.

**Pfitzeri.** Blooms from August till October; rich orange scarlet. 25c. each; doz., \$2.50; \$17.50 per 100.

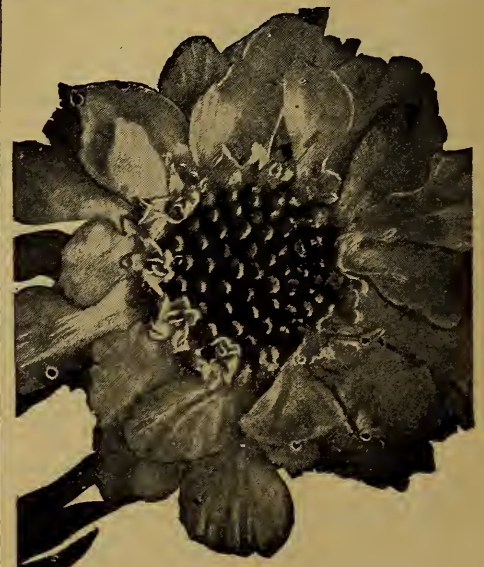
**Express.** A splendid new variety, which flowers much earlier than any other sort, commencing in July and lasts until frost; deep coral red. 25c. each; doz., \$2.50; \$17.50 per 100.

**Tuckii.** The flowers of this variety are of a distinct shade of red, shaded primrose yellow; 4 feet high; August-September. 25c. each; doz., \$2.50; \$17.50 per 100.

**Quartiniana.** Bold, Yucca-like foliage; 5 to 6 feet high; bright scarlet fading to pale yellow, in early summer. 35c. each; doz., \$3.50.

**MacOwani.** A wonderful free bloomer; 2 feet high; flowers are rich coral red; splendid for massing. 25c. each; doz., \$2.50; \$17.50 per 100.

**Special Notice**—We have just compiled, at great expense, a publication, entitled, "Hardy Perennials and How to Grow Them." A copy is yours for the asking.



Scabiosa Caucasica



# MICHELL'S HARDY PERENNIAL AND CLIMBING PLANTS 77

## Valeriana (Spurred Flower)

**Coccinea.** Showy heads of red flowers, in bloom all summer; 2 feet.

**Coccinea Alba.** A white form of the above.

**Officinalis (Hardy Garden Heliotrope).** Showy pink flowers from June to August, with a strong heliotrope perfume.

Price of any of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

## Verbascum

**Phoenicium.** A most decorative plant, producing deep violet flowers on long spikes, often 3 feet long. Blooms continuously from July to September. 25c. each; doz., \$2.50; \$17.50 per 100.

## Veronica (Speedwell)

A fairly numerous and much grown group of perennials which, with few exceptions, bears spikes of blue flower. Excellent for cutting.

**Amethystina.** Amethyst blue, flowers in June and July; 2 ft. high.

**Incana.** White, silvery like foliage, tufted with pale blue flowers; 12 to 18 inches; July and August.

**Longifolia Subsessilis.** Grows 2½ feet high and is completely studded with spikes of rich blue flowers from July to August. 25c. each; doz., \$2.50; \$17.50 per 100.

**Repens.** Fine for rockeries or carpet bedding; light blue flowers; 6 inches.

**Royal Blue.** An exquisite blue flowering sort; flowers from June to August; 2½ feet.

## Veronica (Continued)

**Spicata.** A very valuable species; dense tufts; erect spikes of blue flowers in June and July; 18 inches.

**Spicata Alba.** Similar to preceding, but with white flowers.

**Virginica.** Free flowering, with bold upright habit. Pale blue; July and August.

**Virginica Alba.** Large, pure white.

Price of above Veronicas (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.

## Vinca (Periwinkle or Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots where it is desired to cover the ground and no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

**Aurea (New).** Identical in habit and value with the **Minor** type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes when mixed in plantings of the **Minor** variety. 25c. each; doz., \$2.50; \$17.50 per 100.

**Minor.** Green foliage, lavender flowers. Extra strong plants, 15c. each; doz., \$1.50; \$10.00 per 100.



Yucca

## Yucca (Adam's Needle)

This plant sets off to best advantage if placed as individual specimens either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream white bell-shaped drooping flowers July and August.

**Filamentosa.** White, with reflexed flower bells. Extra strong plants, 25c. each; doz., \$2.50; \$17.50 per 100.

# MICHELL'S CLIMBING PLANTS AND VINES

	Each	Doz.
<b>Actinidia Arguta (Silver Vine).</b> Beautiful dark green, heart-shaped foliage. Fine for covering tree trunks, etc.	\$0.50	\$5.00
<b>Akebia Quinata.</b> Quick growing vine	.25	2.50
<b>Ampelopsis Engelmannii.</b> Foliage green in summer, turning to crimson in the autumn.	.35	3.50
<b>Ampelopsis Henryana.</b> A new variety from China	.40	4.00
" <b>Humilifolia.</b> Dark glossy green foliage	.50	5.00
" <b>Lowii (New Japanese Ivy).</b> Clings to the smoothest surface on its own accord. Rapid grower	.50	5.00
<b>Ampelopsis Quinquifolia (Virginia Creeper)</b>	.25	2.50
" <b>Veitchii (Boston Ivy)</b>	.25	2.50
<b>Aristolochia Sipho (Dutchman's Pipe)</b>	.50	5.00
<b>Celastrus Scandens (Bittersweet).</b> A vine of very rapid growth	.35	3.50
<b>Clematis Coccinea.</b> Red	.30	3.00
" <b>Crispa.</b> Lavender	.30	3.00
" <b>D. of Edinboro.</b> Double white	.50	5.00
" <b>Flammula.</b> White	.30	3.00
" <b>Henryi.</b> White	.50	5.00
" <b>Integrifolia Durandi.</b> Blue	.50	5.00
" <b>Jackmanni.</b> Purple	.50	5.00
" <b>Mad. Baron Villard.</b> Reddish purple	.50	5.00
" <b>Mad. Edw. Andre.</b> Red	.50	5.00
" <b>Montana Grandiflora.</b> White	.50	5.00
" <b>Montana Rubens.</b> Red	.50	5.00
" <b>Nellie Moser.</b> White and pink	.50	5.00
" <b>Paniculata.</b> White (2 year)	.25	2.50
"    "    White (3 year)	.50	5.00

	Each	Doz.
<b>Clematis Sieboldi.</b> Blue	\$0.50	\$5.00
" <b>Ville de Lyon.</b> Red	.50	5.00
<b>Euonymus Radicans Variegata.</b> Self-clinging vine for walls, stumps or rockeries.	.15	1.50
<b>Euonymus Radicans Vegetus.</b> Dense foliage	.25	2.50
" <b>Kewensis.</b> Valuable for rockeries	.25	2.50
" <b>Radicans.</b> Deep green foliage	.15	1.50
<b>Honeysuckle Chinese Evergreen (H'oodbine)</b> Very fragrant	.25	2.50
" <b>Halleana.</b> Continuous bloomer	.25	2.50
" <b>Heckrothi.</b> Deep red flowers	.30	3.00
" <b>Variegated.</b> Beautiful mottled foliage	.25	2.50
<b>Lathyrus (Hardy Sweet Pea).</b> <b>White Pearl</b>	.15	1.50
"    "    " <b>Pink Beauty.</b> Brilliant rose	.15	1.50
"    "    " <b>Latifolius Albus.</b> Pure white	.15	1.50
<b>Lycium Barbarum (Matrimony Vine)</b>	.25	2.50
<b>Polygonum Auberti.</b> Remarkably strong grower, growing about 12 feet in one season		
"    White flowers	.75	8.00
" <b>Baldschuanicum.</b> Light pink	.75	8.00
<b>Schizophragma Hydrangeoides (Climbing Hydrangea).</b> Introduced from Japan. The large white flower trusses somewhat resemble a Hydrangea and produce a wonderful display. Clings to any surface and is particularly suited for twining about tree trunks	.85	8.50
<b>Wistaria Chinensis.</b> Pale blue, somewhat fragrant	.50	5.00
<b>Wistaria Chinensis Alba.</b> White-flowering	.50	5.00



# MICHELL'S HARDY POT GROWN ROSES

## FOR PLANTING OUTDOORS IN AUTUMN

All the Roses offered below are extra strong, two-year-old pot grown stock, and if planted this autumn will produce a full crop of flowers next summer. Order now while the selection is good, and have your rose garden established for next spring.



## EVERBLOOMING HYBRID TEA ROSES

	Each	Doz.
A. R. Goodwin. Orange .....	\$0.50	\$5.00
Antoine Rivoire. Flesh pink .....	.50	5.00
Betty. Coppery rose, shaded golden yellow.....	.50	5.00
Belle Siebrecht. Brilliant pink .....	.50	5.00
British Queen. The finest white rose .....	.75	7.50
Dean Hole. Salmon pink .....	.50	5.00
Dorothy Page Roberts. Coppery yellow .....	.60	6.00
Duchess of Westminster. Clear rose .....	.75	7.50
Duchess of Sutherland. Pink, shaded yellow ....	.60	6.00
Earl of Gosford. Rich deep crimson .....	.75	7.50
Earl of Warwick. Soft salmon pink .....	.50	5.00
Edgar M. Burnett (New). Flesh colored .....	1.50	
Edward Mawley. Velvety crimson .....	.60	6.00
Francisca Kruger. Yellow .....	.50	5.00
Geo. C. Waud. Rich vermilion .....	.50	5.00
Geo. Dickson. Velvety black .....	.75	7.50
Jonkheer J. L. Mock. Deep pink .....	.50	5.00
Lady Alice Stanley. Deep rose .....	.75	7.50
Lady Hillingdon. Yellow .....	.60	6.00
Mme. Abel Chantenay. Carmine rose .....	.50	5.00
Mme. Caroline Testout. Bright satiny rose.....	.50	5.00
Mme. Chas. Lutand. Chrome yellow .....	.75	7.50
Mme. Edmond Rostand. Salmon .....	.75	7.50
Mme. Jules Grolez. Silvery rose .....	.50	5.00
Mme. Leon Pain. Salmon orange .....	.50	5.00
Mme. Melanie Soupert. Yellow .....	.50	5.00
Mme. Segond Weber. Soft salmon pink .....	.50	5.00
Maman Cochet White .....	.50	5.00
Mary Countess of Ilchester. Crimson carmine ..	.60	6.00
Mrs. Aaron Ward. Deep Indian yellow .....	.60	6.00
Mrs. A. R. Wadell. Rosy scarlet .....	.50	5.00
Mrs. F. W. Vanderbilt. Orange .....	1.00	10.00
Mrs. Geo. Shawyer. Pink .....	.60	6.00
Mrs. Sam Ross. Yellow .....	.75	7.50
Mrs. W. Christie Miller. Soft peach .....	.60	6.00
Old Gold. Coppery red, shaded apricot .....	1.00	
Ophelia. Pink .....	.75	7.50
Prince de Bulgarie. Pink .....	.60	6.00
Souvenir de Cath. Guillot. Coppery carmine....	.50	5.00
Souvenir de Gustav Prat. Sulphur yellow .....	.60	6.00
Souvenir de la Malmaison. Flesh pink .....	.50	5.00
The Lyon. Coral red, yellow base.....	.50	5.00
White Killarney .....	.50	5.00
William Shean. Delicate pink .....	.50	5.00
Willowmere. Rich pink, shaded yellow .....	.75	7.50
W. R. Smith. Blush white, suffused pink .....	.50	5.00

## HYBRID PERPETUAL VARIETIES

	Each	Doz.
Baronesa Rothschild. Delicate pink .....	\$0.50	\$5.00
Baron de Bonstetten. Velvety red, almost black; a vigorous grower; large, double, sweet-scented flowers .....	.50	5.00
Captain Christy. Pink .....	.50	5.00
Clio. Delicate flesh, shaded deep pink .....	.50	5.00
Fisher Holmes. Bright scarlet, shaded maroon....	.50	5.00
George Arends. This is a clear pink variety of the Druschki type .....	.50	5.00
Gloire de Lyonnaise. White; with a slight trace of yellow .....	.50	5.00
Mad. Gabriel Luizet. Pale pink .....	.50	5.00
Magna Charta. One of the largest; color deep pink .....	.50	5.00
Mrs. John Laing. Soft pink; very fragrant.....	.50	5.00
Mrs. R. G. Sharman Crawford. The finest light pink rose .....	.50	5.00
Paul Neyron. The largest of all roses, deep rose..	.50	5.00
Prince Camille de Rohan. Deep velvety crimson ..	.50	5.00
Ulrich Brunner. Bright cherry red, flowers large..	.50	5.00

## MISCELLANEOUS VARIETIES

Blanche Moreau (Moss). Pure white .....	\$0.50	\$5.00
Juliet (Austrian Briar). Vermilion .....	.50	5.00
Soleil d'Or (Austrian Briar). Golden orange.....	.50	5.00

## DWARF BABY RAMBLERS OR POLYANTHA ROSES

Annchen Muller. Brilliant rose pink flowers, pro- duced in enormous clusters.....	\$0.50	\$5.00
Erna Terschendorff. The true scarlet Baby Ram- bler .....	.50	5.00
Jessie. Bright orange red .....	.50	5.00
Madame Norbert Levasseur (Crimson Baby Rambler). This is identical with the Crimson Ram- bler in color and form.....	.50	5.00
Mrs. W. Cutbush (Pink Baby Rambler). A cerise pink; a persistent bloomer, with very double flowers	.50	5.00
Louise Walter. Soft blush pink, almost the exact shade of the variety "Tausendschoen." The flowers are larger than most of the other varieties .....	.50	5.00
Orleans. Rich brilliant red flowers, which turn to pink as they become older.....	.50	5.00
Phyllis. Beautiful carmine pink .....	.50	5.00

## ROSA RUGOSA

Alba. Single white .....	.35	3.50
Blanc Double de Coubert. Large double pure white	.50	5.00
Rubra. Crimson carmine, single .....	.35	3.50

## CLIMBING ROSES

Dorothy Perkins. Pink flowers in long sprays, which are very fragrant and lasting.....	.50	5.00
Excelsa (The Crimson Rambler par excellence). This variety supersedes to a great extent the older Crimson Ramblers, not only by reason of its intense crimson-maroon flowers, which are tipped with scarlet and are very large for a rose of this type, but because of its healthy lustrous foliage, which is free from mildew.....	.50	5.00
Glorie de Dijon. This rose is not hardy in the latitude of Philadelphia, but is such a grand variety and in constant demand it has been added to our list; exquisitely scented; a beautiful flower; salmon pink.....	.50	5.00
Hiawatha. Single scarlet, with a yellow circle; most dazzling and effective .....	.50	5.00
Silver Moon. Gigantic pure white flowers, fre- quently 5 inches in diameter.....	.75	7.50
White Dorothy Perkins. The best white Rambler Rose yet introduced .....	.50	5.00
Tausendschoen. We cannot too highly recommend this rose on account of its free-flowering qualities and its exquisite shade of soft pink, which changes to a rosy carmine when fully open. These flowers are borne in large sprays of from 10 to 15 flowers each, individual flowers measuring quite 3 inches across. For pergolas or pillars it has few equals..	.50	5.00



# MICHELL'S HYDRANGEAS FOR FORCING 79

## NEW VARIETIES OF FRENCH ORIGIN

- Baby Bimbinet.** Large compact flowers of silvery rose color; of dwarf habit. Early flowering.
- Beaute Vendomoise.** Immense flower heads with large florets; white tinted pink.
- Harmonie.** Very large trusses with a fast color of pink which does not fade readily.
- La France.** Very large flowers of a delicate rose pink shade; flower trusses are gigantic.
- La Perle.** A splendid white variety; one of the best in this color.
- Liberte.** An attractive shade of pale pink, with enormous flower heads.
- Louis Moulliere.** A pleasing shade of deep rose pink, with fringed florets.

Price of above New Hydrangeas:

	Each	Doz.	100
2½-inch pots .....	\$0.25	\$2.50	\$17.50
4-inch pots .....	.50	5.00	40.00
6-inch pots .....	.75	7.50	60.00

## FRENCH VARIETIES OF RECENT INTRODUCTION

- Avalanche.** Large head; pure white flowers. A real beauty when in full bloom.
- Bouquet Rose.** Very large flower heads of a uniform shape. When first opened the flower is a shade of amber, which later turns to a brighter pink.
- General de Vibraye.** One of the very best, with enormous flower heads of a bright rose color.

## FRENCH VARIETIES OF RECENT INTRODUCTION (Cont'd)

- Madame Maurice Hamar.** Delicate flesh-pink.
- Monsieur G. Renault.** Very free flowering type, blooming somewhat earlier than the rest. The flower has a slight reflex of carmine, while the body of the bloom is rich pink.
- Mme. Emile Mouillere.** This is the best of the newer kinds, bearing gigantic trusses with immense florets, the latter being often 2 inches in diameter. Pure white, with rich carmine eye.
- Radiant.** Brilliant rose pink.
- Souvenir de Mme. Chautard.** Of dwarf, compact habit, with brilliant rose-colored flower trusses.
- La Lorraine.** Gigantic flowers and trusses pale rose pink, changing to a rich pink.

Prices of French Hydrangeas:

	Each	Doz.	100
2½-inch pots .....	\$0.20	\$2.00	\$12.50
4-inch pots .....	.35	3.50	25.00
6-inch pots .....	.50	5.00	40.00
11-inch Tub specimens, including tub; each, \$2.00.			

## HYDRANGEAS OTAKSA

This is the old-fashioned favorite Japanese variety, that usually flowers pink. It produces enormous flower trusses in great numbers.

Price of Hydrange Otaksa:

	Each	Doz.	100
2½-inch pots .....	\$0.20	\$2.00	\$12.50
4-inch pots .....	.35	3.50	25.00
6-inch pots .....	.50	5.00	40.00
8-inch pots .....	1.00	9.00	
Specimen Plants in 11-inch tubs.....	1.75		
Specimen Plants in 12-inch tubs.....	3.00		

# MICHELL'S HEDGE PLANTS

Shipping Season, October and November

## CALIFORNIA PRIVET

Exceedingly beautiful; leaves deep green, bright and very glossy. Especially adapted for hedges at the seashore; easily transplanted. Unlike a fence which needs painting, repairing, etc., and then never looks well, this hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year, and the possibilities are amply displayed at some of the model suburban home grounds in and around Philadelphia.

Plant from October 1st to November 15th, and from March 15th to May 15th. Ask for our special free circular on California Privet.

Height	Doz.	100	1000
1-yr.-old, 18 to 24 in., 3 to 4 branches	\$0.60	\$3.00	\$25.00
2-yr.-old, 24 to 30 in., 5 to 8 branches	.75	4.00	37.50
2-yr.-old, 30 to 36 in., 8 to 10 branches	1.00	5.00	45.00

## GOLDEN OR VARIEGATED-LEAVED PRIVET

In form and habit like the California variety, but each leaf is margined and blotched golden yellow, giving it a striking appearance.

**Bushy Plants,** 18 to 24 inches high, 15c. each; dozen, \$1.50; \$10.00 per 100.



A Privet Hedge is Much More Attractive than the Best Fence

## BERBERIS THUNBERGII (Japanese Barberry)

A good, hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

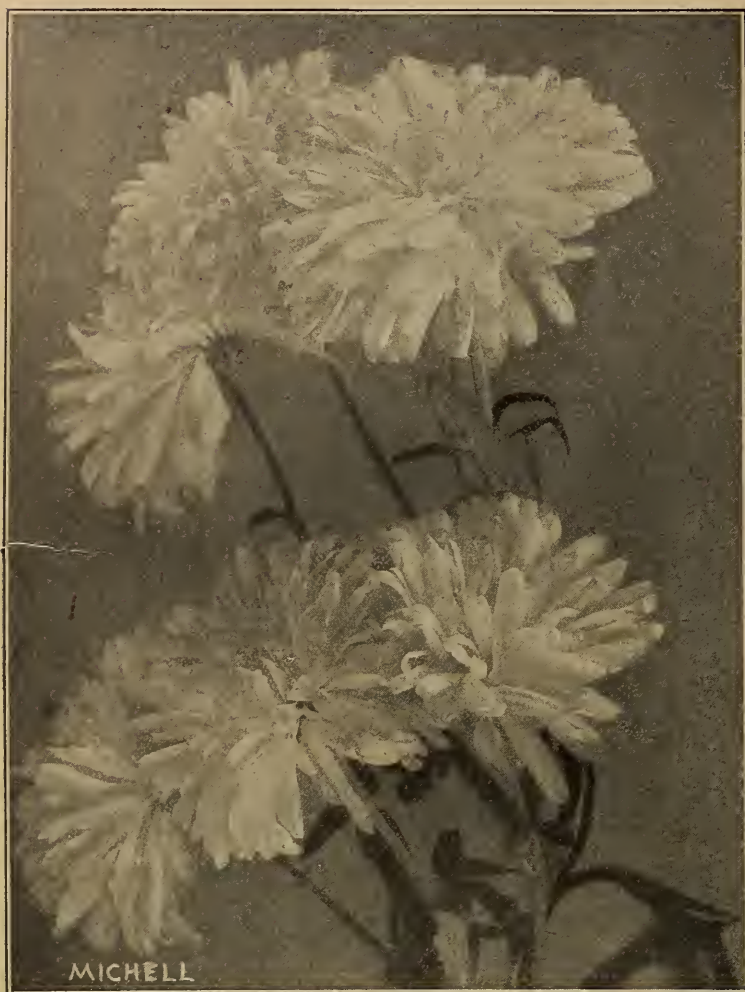
## Price of Berberis

	Doz.	100	1000
1 to 1½ ft.....	\$1.75	\$12.50	\$100.00
1½ to 2 ft.....	2.00	15.00	120.00
2 to 2½ ft.....	4.00	27.50	200.00

Plants travel best by express. No plants sent C. O. D.

(hn)





Hardy English Chrysanthemum

Those who are not acquainted with this type of chrysanthemum, on seeing them for the first time, will realize their wondrous beauty and free-flowering qualities. For the past few years we have potted a number of the most desirable varieties, and sold them to our local trade, in strong, well-developed plants in bud and bloom, ready for immediate effect. The demand for these was so great that this season we potted a large quantity of the best sorts and colors and offer these now to the flower lover. When other flowers have almost entirely disappeared the chrysanthemum, "the Queen of Autumn," reigns supreme. If planted out in October they will make a gorgeous show in the garden and produce splendid material for cutting, the flowers lasting a long time in water; and again they can be readily lifted, even when in bloom, and thus make a splendid house decoration. The plants are about 2½ feet high, dressed from the bottom with light green foliage and literally covered with buds and flowers. They will keep in bloom for a long time.

### ENGLISH VARIETIES

The varieties of these, which we list, are the cream of this new type. The blooms of most kinds often measure 3½ to 4 inches across. The plants when in bloom are most graceful and effective. We offer them in the following colors: **Crimson, Salmon, Bronze, White, Pink, Yellow and Variegated.**

Price for extra strong plants, in 5 and 6 inch pots, 35c. each; doz., \$3.50; \$25.00 per 100.

### POMPON VARIETIES

This is the old-fashioned type, but our selection of these is such that it must please the most critical flower lover. Our colors are refined, clear and immensely attractive. The flowers, although not as large as the English varieties, appear in much greater profusion. In **Yellow, Bronze, White, Pink and Red.**

Price for extra strong plants, in 5 and 6 inch pots, 35c. each; doz., \$3.50; \$25.00 per 100.

## BOXWOOD (*Buxus Sempervirens*)

Boxwood is a familiar sight on the lawn or along walks of many of our old historic homes. We have imported a large number of these desirable plants in pyramidal form, in natural or untrimmed state, in ball shape and in tree form. The untrimmed plants can be used for hedge effects, as individual specimens in porch or window boxes.

#### Ball Shaped.

These are effective for vestibule and garden decoration.

12 inch diameter.....	each \$2.50
15 inch diameter.....	each 3.00

#### Pyramidal Shaped Boxwood (in Tubs).

2½ feet high.....	each \$2.50
3 feet high.....	each 3.25
3½ feet high.....	each 3.50
4 feet high.....	each 4.00
5 feet high.....	each 7.50

#### Tree Shaped.

Attractive when placed along garden walks under pergolas, on verandas, etc.

18 to 24 inch stems, 15 inch head.....	each \$2.50
18 to 24 inch stems, 18 inch head.....	each 3.50

#### Bush Shaped Untrimmed Boxwood.

Being of evergreen nature and perfectly hardy, they are indispensable for planting in window boxes during winter.

10 inches high, 40c. each; dozen, \$4.00.
12 inches high, 50c. each; dozen, 5.00.
15 inches high, 75c. each; dozen, 7.50.
18 inches high, \$1.00 each; dozen, 10.00.
24 inches high, 1.75 each; dozen, 18.00.



A Window Box Planted with Boxwood





*Azalea Mollis*

## Hardy Azaleas

**Amoena.** Dwarf bushy shrub; covered in April and May with masses of purplish-red double flowers, which last from 3 to 4 weeks. The foliage remains all winter, when it takes on a coppery-red shade. 12 inch diameter heads. \$1.00 each; per doz., \$10.00; \$80.00 per 100.

**Anthony Koster.** A type of the Mollis variety, with exceptionally large flowers of a golden orange. The color is very bright and the sort is considered the best of the Mollis varieties; flowering in May; plants with 12 to 15 buds. \$1.25 each; per doz., \$12.00; \$90.00 per 100.

**Mollis.** Of dwarf bush-like habit, with light green leaves. The flowers are as large as the Azaleas, usually seen in greenhouses. There are but three colors of it, yellow, orange and red; it blooms about the middle of May. When massed in a large bed they create a particularly beautiful spot; mixed colors. Plants, 15 to 18 inches. 75c. each; per doz., \$7.50; \$55.00 per 100.



It often occurs that our stock of Hardy Shrubs is exhausted in the autumn. In such cases we will book the orders for this stock for early spring delivery. Shipping season April 1st to May 15th and October 15th until frost. As we ship out strong plants only, we advise shipment by express or freight. No plants are sent C. O. D.



## HARDY AZALEAS (Continued)

**Hinodegiri.** A much more brilliant variety than Amoena. Grows 2½ feet high and is literally smothered with masses of bright, fiery red single flowers in April and May. Strong plants, 12 in. diameter. \$1.25 each; doz., \$12.50; 100, \$85.00.

**Hinamayo.** Delicate deep pink flowers. This looks well planted among the Amoena and Hinodegiri varieties. 8 to 10 inch; well-budded plants. \$1.25 each; doz., \$12.00; \$80.00 per 100.

**Japonica Alba.** Pure white large flowers, very showy among bright colored flowering shrubbery. 12 to 15 inch plants. \$1.00 each; doz., \$10.00; \$80.00 per 100.

**J. C. Van Tol.** A type of the Mollis variety, but much larger, flowering bright red; a fine contrast when planted with A. Koster variety; plants with 20 to 25 buds. \$1.00 each; doz., \$10.00; \$75.00 per 100.

**Yodogama.** In May this variety is a mass of lavender pink; flowers very distinct; plants, with 12 to 15 buds. \$1.00 each; doz., \$10.00; \$75.00 per 100.

## Hardy Rhododendrons

They require good garden soil. It is advisable to protect with leaves or brush during winter. When Rhododendrons have finished blooming, the old flower should be cut off; this ensures blooms the following season. The varieties offered below are a selection of the best and hardiest.

**Album Elegans.** Pure white, gigantic flower heads.

**Caractacus.** Crimson or blood red, a handsome shade.

**Chas. Dickens.** Red, a shade between light and dark.

**Chas. S. Sargent.** Rich crimson.

**Everestianum.** Lavender, very delicate and of great beauty.

**Fastuosum (Double).** Lavender; very large flower heads.

**Kettledrum.** Deep red or rich purplish crimson.

**Roseum Elegans.** Rose pink, large flowers.

Price of any of the above, 18 to 24 inches high, with plenty of buds, \$1.50 each; per doz., \$15.00; \$100.00 per 100.

Price of any of the above, 24 to 30 inches high, extra heavy, \$2.25 each; doz., \$20.00.

We are prepared to quote prices on car lots of native Rhododendrons for large plantings.



**Amygdalus** (Flowering Almond)

**Rubra Flore Pleno Nana.** Erect, slender branches, which are covered in May with small, very double, fragrant, pink flowers. Strong plants, 1½ to 2 foot. 60c. each; doz., \$6.00.

**Andromeda** (Lily of the Valley Shrub)

A suitable companion for planting as edging of Rhododendron and Hardy Azalea beds.

**Japonica.** Evergreen foliage with racemes of beautiful white flowers. Very hardy. Strong plants, 12 inches high. \$1.00 each; doz., \$10.00.

**Altheas** (Rose of Sharon)

These thrive almost anywhere, producing their bloom from July till September. The varieties listed below are the very best of this class of plants.

**Alba Plena.** Pure white; double.

**Atropurpurea Plena.** Double purple.

**Coerulea Plena.** Double blue.

**Duchess de Brabant.** Double; deep red.

**Grandiflora Superba.** Double blush with crimson center.

**Totus Albus.** Single; pure white.

Price of any of the above in strong plants, 2 to 3 feet high. 35c. each; per doz., \$3.50; \$25.00 per 100.

**Amorpha** (False Indigo)

**Fruticosa.** A strong growing shrub, from 6 to 7 feet high, with terminal panicles of pretty, odd and attractive bluish-purple flowers in July. Desirable on account of the unusual color of the flowers and attractive compound leaves. 35c. each; doz., \$3.50.

**Azaleas** (See page 81)**Berberis** (Japanese Barberry)

**Thunbergii.** A good, hardy plant of low, dense growth for lawn or border. It is a brilliant light green, spring to winter. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches. Doz. 100 1000

1 to 1½ feet (plant 8 to 10 inches apart)... \$1.75 \$12.50 \$100.00

1½ to 2 feet (plant 10 to 12 inches apart)... 2.00 15.00 120.00

2 to 2½ feet (plant 12 inches apart)... 4.00 27.50 200.00

**Atropurpurea** (Purple Barberry). Of erect growth, with purplish foliage. In the early spring it bears small yellow flowers and in the autumn with bright red berries, 2½ to 3 foot plants. 25c. each; per doz., \$2.50; \$18.00 per 100.

**Calycanthus** (Sweet Shrub or All Spice)

**Floridus.** Chocolate-colored double flowers, with a peculiar, agreeable odor. Blooms in June. A common shrub in old gardens. 30c. each; per doz., \$3.00.

**Cerasus** (Flowering Cherry)

In the spring these trees are buried under a wealth of bloom, which is strung along the branches.

**Double White-Flowering Cherry.** Numerous white flowers conceal the branches in May; 4 to 5 feet. \$1.50 each.

**Double Pink-Flowering Cherry.** Beautiful pink flowers make this a very ornamental tree for lawn decoration; 6 to 7 feet. \$1.75 each.

**Cytisus** (Golden Chain)

**Laburnum.** A large shrub with shining green leaves and racemes of Wistaria-like yellow flowers, which appear in early summer, 3 to 4 ft. plants. 50c. each; doz., \$5.00.

**Clethra** (Sweet Pepper Bush)

**Alnifolia.** Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. 30c. each; doz., \$3.00.

**Cercis** (Judas or Red Bud)

**Canadensis.** A tall slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers. When in full bloom, they make a gorgeous show. 3 to 4 foot plants, 60c. each; per doz., \$6.00.

**Chionanthus** (White Fringe)

**Virginica.** In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants, 2 to 3 feet, 35c. each; per doz., \$3.50.

**Exochorda** (Pearl Bush)

**Grandiflora.** A profuse bloomer in the early summer. Flowers star shaped, sometimes an inch in diameter; pure white, 2 to 3 feet. 35c. each; per doz., \$3.50.

**Eleagnus** (Japanese Oleaster)

**Longipes.** A desirable nearly evergreen shrub of medium height, with light green foliage, which is silvered on the under surface. The orange-scarlet colored berries are very attractive during late summer. Each, 30c.; \$3.00 doz.

**Erica** (Heath)

This is a species of Heather, which flowers in July, and is a mass of bloom at that time.

**Vulgaris.** Rosy red flowers.

**Alba.** White.

Strong plants of the above, 40c. each; doz., \$4.00.

**Deutzia**

The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive. They can be used for cut flowers.

**Candidissima** (Fl. pl.) Abundant racemes of double, pure white flowers in June, luxuriant foliage and fine habit. 2 to 3 foot plants.

**Crenata** (Fl. pl.) Double flowers white, tinged with rose, blooming in June. 2 to 3 feet. Plants, 18 to 24 inches.

**Gracilis.** Of dwarf, bushy habit. White flower.

**Lemoinei.** Very dwarf and compact growing, with very large flowers of purest white. One of the best of the Deutzias. Plants, 12 to 18 inches.

Price of the above (except where noted), 30c. each; doz., \$3.00.

**Forsythia** (Golden Bells)

Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare. In fact, when in flower, nothing else but the bloom can be seen.

**Fortunei.** Erect growing with dark green foliage; strong plants.

**Suspensa.** Of graceful drooping habit, can also be trained for covering arches and trellis work. Plants, 2 to 3 feet.

**Viridissima.** Of erect growth and spreading branches, narrow glossy foliage; one of the first to bloom. 2 to 3 feet plants. Price of any of the above Forsythias, 30c. each; doz., \$3.00.





Hydrangea Paniculata Grandiflora

### Hydrangea

**Arborescens Grandiflora Alba** (*Snowball Hydrangea*). The snow-white blooms are of the largest size. Coming into flower early in June and lasting until late August. Is more hardy than any other sorts and especially suited to plant in shaded places. 30c. each; \$3.00 doz.

**Paniculata Grandiflora**. The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form plants, 30c. each; per doz., \$3.00. Extra strong stock, 50c. each; per doz., \$5.00.

**Paniculata Grandiflora** (*Standard or Tree Shaped*). These are fine, planted as individual specimens in the lawn or in the center of beds, containing other plants. Stems, 2 to 2½ feet long with shapely heads. 75c. each; per doz., \$8.00.

### Hydrangea (Otakwa Varieties) (see page 79)

### Kalmia (Mountain Laurel)

For planting in conjunction with Rhododendrons and Evergreens, the Laurel fills an important part. Foliage is evergreen and about May and June, according to locality, the plant is a mass of flowerheads, resembling somewhat the Rhododendron.

**Latifolia**. A delicate pink, changing to white as they expand. Grows best in woodland or under trees. Strong plants, 18 to 24 inches, \$1.00 each; per doz., \$10.00; \$75.00 per 100.

### Kerria (Globe Flower or Corchorus)

Shrubs with light green branches. Does well in any soil, in shaded or open locations flowering in May and June.

**Double-flowered**. Of medium size; double yellow flowers. Plants, 2 to 3 feet high. 35c. each; per doz., \$3.50.

### Lonicera (Honeysuckle)

**Morrowi** (*Japanese Bush Honeysuckle*). An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 2 to 3 feet.

**Tartarica** (*Tartarian Honeysuckle*). An old-fashioned useful shrub with small fragrant flowers, some pink, others crimson and bluish. These are followed by attractive reddish-orange berries. Plants, 2 to 3 feet.

Price of the above Loniceras 30c. each; doz., \$3.00.

### Philadelphus (Mock Orange or Orange Blossom)

A shrub that can always be depended upon to give splendid satisfaction. No insects bother it, and in May and June, the bushes are literally covered with flowers.

**Coronarius**. Handsome foliage and beautiful white flowers, quite fragrant. Plants, 2 to 3 feet. 25c. each; doz., \$2.50.

**Grandiflorum**. A tall growing white variety, robust grower. Plants, 2 to 3 feet. 25c. each; doz., \$2.50.

### Lilac (Syringa) (See illustration on page 84)

Description of this is hardly necessary to be given, as this is favorably known to most everyone.

### Pot-Grown Plants Suitable for Forcing

**Chas. X.** Large reddish purple with heavy trusses.

**Marie Le Grey**. Single, pure white, of wonderful fragrance.

**Mme. Casimir Perier**. Double, pure white, with large individual flowers of exquisite odor; grand for cutting.

**President Grevy**. Large panicles; double blue flowers; very fine.

**Souvenir de Louis Spaeth**. Deep purplish-red flowers in compact trusses.

Price of any of the above pot-grown Lilacs in extra strong fine plants, \$1.25 each; per doz., \$12.50.

### Field-Grown Plants. (See above for description.)

Charles X, Marie Le Grey, Mme. Casimir Perier, President Grevy, Souvenir de Louis Spaeth.

Extra strong plants of the above, field grown, 50c. each; doz., \$5.50.

**Vulgaris**. Common purple, sweet-scented Lilac. 30c. each; doz., \$3.25.

**Vulgaris Alba**. Pure white type of the above, but more fragrant. 30c. each; doz., \$3.25.

**White Persian**. Very early flowering; pure white, sweet scented. 40c. each; doz., \$4.00.

**Persian**. Early purple flowering; very profuse. 40c. each; doz., \$4.00.

Strong plants of the above, 18 to 24 inches high, at the prices noted.







For List of Lilacs see page 83

### Prunus

**Pissardi** (*Purple-leaved Plum*). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost, having small pinkish white flowers in early spring. Plants, 4 to 5 feet. 35c. each; doz., \$3.50.

**Triloba** (*Double-flowering Plum*). Double pink flowers in April. The plants are 2 to 3 feet high. 40c. each; doz., \$4.00.

### Pyrus

**Japonicus** (*Japan Quince*). This shrub is a beautiful sight, when covered in the early spring with cherry-red flowers about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince Jelly for preserves. This plant can also be used for hedge effects, and on account of the thorny nature it is a good barrier against cats, dogs and other animals. Extra strong plants, 35c. each; doz., \$3.50.



A Pot Grown Japanese Dissectum Maple can develop into a beautiful specimen like this for the lawn.

### Maples (Japanese) (*Acer Japonicum*)

Hardly anything in plants or shrubs is more attractive than these, especially in the early spring, just after they burst into foliage. For planting in groups, in shaded positions or even in the full sun, they are especially adapted, or as individual specimens on the lawn or in borders they are fine.

**Japonicum Atropurpureum**. Red leaved Japan Maple. Very fine foliage, which becomes more intense red, as the season advances, at times these revert again in the growing season, but as the plants become older, the fixed color of red becomes more permanent. Extra strong plants, in pots, 18 to 24 inches high, \$1.25 each.

**Japonicum Dissectum**. Dark red, very fine cut fernlike foliage; the plants have a low, spreading habit. Strong plants, in pots, 18 to 24 inches, \$1.25 each.

**Aureum**. A delicate shade of greenish yellow, which varies somewhat during the season. This, massed amongst others with dark foliage is a treat for the eye. Extra strong plants, in pots, 18 to 24 inches, \$1.25 each.

### Rhus (Purple Fringe or Smoke Tree)

**Cotinus**. In July this is made very attractive, because of the light, airy or mistlike panicles of dark purplish blooms. Strong plants, 2 to 3 feet, 35c. each; doz., \$3.50.

### Rhododendrons (See page 8r)



*Spirea Prunifolia* (*Bridal Wreath*)

### Spirea

This group embraces a wide variety, so much so that frequently one might suppose that the plants belong to a different family, from this it can be seen that a collection of them will make an effective variety.

**Anthony Waterer**. Of dwarf, dense habit, bearing a profusion of crimson flowers. 2 to 3 feet, 30c. each; per doz., \$3.00.

**Opulifolia Aurea**. Bears an abundance of fragrant white flowers in clusters during June; the leaves are golden in spring but darken as the season advances. Plants, 2 to 3 feet, 30c. each; doz., \$3.00.

**Prunifolia** (*Bridal Wreath*). The pretty double white flowers are all along the almost leafless stem about May 1st just as the leaves are budding. Plants, 2 to 3 feet, 30c. each; per doz., \$3.00.

**Van Houttei**. This handsome species is the most desirable. The exceedingly beautiful white flowers appear in May in great profusion, a strong, robust grower. It is of compact habit and a beautiful ornament for the lawn. Plants, 2 to 3 feet, 30c. each; per doz., \$3.00.

**Thunbergii**. A graceful bush, bearing in April and May innumerable small, white flowers with dainty foliage. Plants, 2 to 3 feet, 35c. each; doz., \$3.50.

**Reevesii Flore Plena**. Double flowers in May and June, which last several weeks longer than most other varieties, making one of the best flowering shrubs. Pure white, 2 to 3 feet, 30c. each; doz., \$3.00.

Shrubs can best be shipped via express or freight. No Plants sent C. O. D.

ha)



## Sambucus

**Aurea** (*Golden Elder*). Attractive by its golden foliage and desirable to mix with other shrubs to relieve the sombreness of green. 30c. each; doz., \$3.00.

**Racemosus** (*Red Berried Elder*). A robust growing shrub of easy cultivation. Attractive throughout the season. The white flowers, which appear in the spring, are followed by bright red berries in autumn. 30c. each; doz., \$3.00.

## Symphoricarpus

**Racemosus** (*Snowberry*). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter; 2 to 3 feet plants. 30c. each; doz., \$3.00.

## Staphylea (Bladder Nut)

**Colchica**. A tall growing shrub, flowering in May; the pure white flowers are very attractive and fragrant, produced in clusters. 35c. each; doz., \$3.50.

## Tamarix

Tall growing shrubs of irregular shape, with fine feathery foliage. The branches are covered with small delicate flowers, and even, when not in bloom, the bush is attractive.

**Africana**. Pink flowers, blooming in May.

**Hispidula Aestivalis**. Pink flowers, borne in July and August, when other shrubs are out of bloom.

**Indica**. A strong growing variety, bearing delicate pink flowers.

Price of Tamarix, extra strong plants, 30c. each; doz., \$3.00.



## Viburnum

**Carlesi**. A new Japanese variety of a compact bushy habit, bearing sweet-scented white flowers, somewhat after the style of a Bouvardia. This is a splendid addition to the Viburnums on account of its great beauty and its exquisite odor. It should be included in every collection of flowering shrubs. 75c. each; doz., \$8.00.

**Plicatum** (*Japanese Snowball*). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. Extra fine plants, 2 to 3 feet. 35c. each; doz., \$3.50.

**Viburnum Opulus Sterilis** (*Guilder Rose or Snowball*). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, 2 to 3 feet. 30c. each; doz., \$3.00.

## Vitex (Chaste Tree)

**Agnus Castus**. Attractive, graceful shrub, growing about 6 feet high. Towards end of summer it produces spikes of lilac shaded flowers. 30c. each; doz., \$3.00.



## Weigelia

**Amabilis**. A pink flowering variety, in bloom during June and July; extra strong plants, 2 to 3 feet, 30c. each; doz., \$3.00.

**Candida**. Flowers abundantly in June and July, additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. Plants, 2 to 3 feet. 30c. each; doz., \$3.00.

**Eva Rathke**. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts. 30c. each; doz., \$3.00.

**Rosea**. Fine rose-colored flowers, considered one of the finest of flowering shrubs. Blossoms in May. Plants, 2 to 3 feet. 30c. each; doz., \$3.00.

### SPECIAL OFFER

#### COLLECTION OF HARDY FLOWERING SHRUBS

For those who are uncertain as to the proper selection of desirable shrubs we offer in our selection:

**Collection No. 1.** 6 flowering shrubs, 6 choice sorts, our selection of varieties, total \$1.50.

**Collection No. 2.** 12 flowering shrubs, 12 choice sorts, our selection of varieties, total \$2.75.

These collections of Shrubs **cannot** be sent by parcel post, shipment by express or freight enables us to send larger plants.



# MICHELL'S EVERGREENS

Evergreens are growing more and more in favor and are desirable in all plantings, adding a tone of warmth and imparting a charm to landscape. Our Evergreens are produced for us on contract by a reliable grower, and are carefully grown, having been given plenty of space to develop, have been many times transplanted and sheared, and should not be compared with freshly imported, poorly rooted and ill-shaped stock frequently offered.

**Note.**—Evergreens cannot be sent by parcel post, but can be forwarded only by express or freight at purchaser's expense.

## ABIES (Fir)

**Abies Cephalonica** (*Cephalonian Fir*). Large size, broad for its height while young, then pyramidal, leaves silvery and dagger-shaped with a spine on the point. Generally hardy. 2 to 2½ feet, \$3.00; 3 to 4 feet, \$8.00.

**A. Concolor** (*Silver Fir of Colorado*). Tree of graceful habit; broad, handsome foliage, bluish above, silvery beneath. A grand tree, very distinct and exceedingly rare as yet. 2 to 3 feet, \$4.00; 3 to 4 feet, \$6.00; 5 to 6 feet, \$10.00.

**A. Nordmanniana** (*Nordmann's Silver Fir*). Slow growth, hardy, eventually large, dark green, massive foliage, silvery underneath, broad and compact. Valuable for landscape effects or for planting, as a specimen tree. 2 to 3 feet, \$4.50; 3 to 4 feet, \$6.00; 5 to 6 feet, \$10.00.

**A. Veitchii** (*Veitch's Fir*). Slender pubescent branches covered with leaves of a beautiful dark green above and silvery white beneath. Very hardy in our Northern States. 2½ to 3 feet, \$3.00; 3 to 4 feet, \$5.00; 4 to 5 feet, \$8.00.

## CRYPTOMERIA

**Japonica Lobbi Compacta** (*Dwarf Japan Cedar*). A handsome Japanese Conifera of pyramidal outline. Extremely hardy, and should be in every collection. 2 feet, \$3.00; 3 feet, \$4.00.

## JUNIPERUS (Juniper)

**Juniperus Japonica** (*Japanese Juniper*). A dense bushy grower, with light green and glaucous foliage. 3 to 4 feet, \$3.50.

**J. Japonica aurea** (*Golden Japan Juniper*). Similar in outline and habit to above, with a deep golden coloring that persists even in winter. 10 to 12 inches, \$2.00; 1 to 2 feet, \$3.00.

**J. Hibernica** (*Irish Juniper*). A tall, columnar tree, with glaucous green foliage. It is very useful in formal planting, screenings for small yards and cemeteries. 1 to 2 feet, \$1.00; 2 to 3 feet, \$2.00.

**J. Sabina procumbens, or prostrata**. A low growing, prostrate, spreading shrub, branching close to the ground. Foliage deep dark green. Much used in rockwork and upon light soils. 1½ feet, \$2.50; 2 to 2½ feet, \$3.50.

**J. Virginiana** (*Red Cedar*). A familiar tree, of medium size and pyramidal habit. It is extremely hardy, and thrives even in barren places, where other trees will not grow. 2 to 3 feet, \$2.50; 3 to 3½ feet, \$3.50.

**Juniperus Virginiana Glauca** (*Blue Virginia Cedar*). A very ornamental variety, with rich, silvery-blue foliage; keeps color well throughout the entire year. One of our finest blue trees. 2½ feet high, \$3.00; 3 to 4 feet, \$4.50.

**Juniperus Chinensis Argentea Variegata**. An attractive medium-sized variety, with very dense, bluish-green foliage, interspersed with sprays of silvery-white. 3 feet high, \$3.50.

**Juniperus Pfitzerianus**. A beautiful new form, with graceful dark green foliage. We consider this one of the most substantial and attractive of the new evergreens. 2½ feet high, \$3.50; 3 to 4 feet, \$5.00.

**Juniperus Virginia Scotti**. More dense in growth than the common form, making a beautiful compact specimen, with rich green foliage. Plants, 2½ to 3 feet, \$3.00; 3 to 4 feet, \$5.00.

**Juniperus Virginiana Stricta**. A very distinct form of broadly pyramidal habit, with dense foliage of rich metallic blue. It is absolutely hardy and the most valuable of all the Junipers. 1½ feet, \$2.00; 2 feet, \$2.50; 2½ feet, \$3.00.

**J. Suecica** (*Swedish Juniper*). Foliage light green; very compact. Ultimate height, 10 feet. 18 to 24 inches, compact, \$1.00; 15 to 18 inches, compact, 75c.

## PICEA (Spruce)

**P. Alcockiana**. A beautiful tree, the underside of the foliage being of a silvery-blue color. An excellent tree for a specimen on the lawn. 2 to 3 feet, \$3.00; 3 to 4 feet, \$5.00.

**P. Canadensis** (*Hemlock Spruce*). A medium-sized tree, with open, pendulous branches, whose graceful character is in striking contrast to some of the more stiff and formal conifers. It is a rapid grower, very hardy and not particular as to soil. If trimmed it becomes dense and bushy, making beautiful hedges. For tall screens, massing, or as individual trees upon large or small grounds, their grace and beauty is unsurpassed. 2 to 3 feet, \$2.50; 3 to 4 feet, \$3.50; 4 to 5 feet, \$5.00.

## SPECIAL NOTICE

We spare no effort to supply trees of the best quality in first class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise.

## PICEA (Spruce) Continued

**P. excelsa** (*Norway Spruce*). Rapid growing; does well in most soils, and withstands the bleak, cold winds of winter. It is highly valued for shelters, windbreaks or hedges. 2 to 2½ feet, \$1.00; 2½ to 3 feet, \$1.50; 4 to 5 feet, \$3.00.

**P. Fraseri** (*Fraser's Silver Fir*). Very hardy and much resembling the Balsam Fir, only richer looking and of more permanent beauty. 2 to 3 feet, \$2.50; 3 to 4 feet, \$3.50.



*Picea Canadensis* (Hemlock Spruce)

**P. orientalis** (*Oriental Spruce*). Slow growth, but tall, compact, straight and spiral, with deep shadows; dark, small, shining green foliage. Very hardy. 12 to 18 inches, \$2.00; 2 to 3 feet, \$4.00; 3 to 4 feet, \$5.00; 4 to 6 feet, \$8.00.

**P. pendula** (*Weeping Spruce*). Distinct, lighter foliage; a weeping form of Norway Spruce. 3 to 4 feet, \$5.00.

**P. pungens glauca** (*Colorado Blue Spruce*). It is hardy, vigorous, long-lived and upright in habit. For color contrasts in groups of evergreens, or as ornaments to any lawn, they stand without a peer. 1 foot, \$1.50; 2 feet, \$3.00; 3 feet, \$5.00; 4 feet, \$7.50. Select specimens, \$10.00 to \$25.00.

**P. Douglasii glauca** (*Douglas' Blue*). Of conical habit with spreading branches of rapid growth and rich steel blue foliage which rivals in beauty the celebrated Koster's Colorado Blue Spruce. 2 feet, \$3.00; 3 feet, \$4.00; 4 feet, \$5.00.

**P. Kosteriana** (*Koster's Blue Spruce*). In this new variety the color is a deeper, richer blue. It is the highest type of Blue Spruce and one that cannot be too highly recommended. This is one of the finest ornamental evergreens ever introduced, and a specimen or two, of the kind of trees we furnish, on the lawn, adds a dignity and beauty to it hard to describe. 1 to 1½ feet, \$2.50; 1½ to 2 feet, \$3.50; 2 to 3 feet, \$7.00; 4 to 5 feet, \$10.00 to \$15.00 each.



## PINUS (Pine)

**P. Cembra** (*Swiss Stone Pine*). A very hardy and handsome Pine, with short, bluish green leaves, that grows slowly into a compact pyramidal tree. Its branches symmetrically, even at the base, and makes a beautiful ornament for small places or for contrasting with other evergreens. 12 to 18 inches, \$2.50; 2 to 2½ feet, \$3.50.

**P. excelsa** (*Bhotan Pine*). In general appearance resembles the White Pine. The soft, long needles are light green, and droop in graceful fringes from the long, slender branches. 2 to 3 feet, \$3.00; 3 to 4 feet, \$4.00; 5 to 6 feet, \$8.00.

**P. Mughus** (*Mugho Pine*). Low growing, broad spreading tree. It is more of a large Pine bush than a tree, and is very ornamental. 1 to 2 feet, \$2.50; 2 to 3 feet, \$5.00.

**P. Strobus** (*White Pine*). The most common and quickest-growing of the Pines. Develops into a tall, noble tree whose ruggedness in old age is picturesque and grand. The needles are soft and silvery green; the horizontal branches are in regular whorls about the trunk, making the young trees symmetrical, open pyramids. 1 to 2 feet, \$1.50; 2 to 3 feet, \$2.50; 3 to 4 feet, \$4.00.

## RETINISPORA (Japan Cypress)

**Retinispora filifera** (*Thread-Branched Retinispora*). Of pyramidal outline, with horizontal branches and drooping, deep green foliage. 2 to 3 feet, \$3.50; 3 to 4 feet, \$5.00; 4 to 6 feet, \$8.00.

**R. filifera aurea** (*Golden Thread Branched Japan Cypress*). A form of *Retinispora filifera*, the foliage of which is a bright golden color, and the growth somewhat dwarfer. Particularly valuable for its striking color. 2 feet, \$3.50; 3 feet, \$5.00.

**R. obtusa aurea**. Similar in character to the preceding, with a clear golden colored foliage that is bright and fresh all the year. 12 to 18 inches, \$3.00; 18 to 24 inches, \$5.00; 3 feet, \$7.50.

**R. obtusa nana**. A slow-growing dwarf variety that attains great age. It is popular in Japanese gardens, and attracts much attention here. 12 to 18 inches, \$3.50; 18 to 24 inches, \$5.00.

**R. plumosa aurea**. The most popular and generally useful of all the golden evergreens. In character it resembles *R. plumosa*. Is especially ornamental, and the soft plume-like golden foliage is particularly bright in Spring. When pruned it becomes symmetrical and regular. It is low branched, and the golden yellow foliage brushes the green grass in beautiful contrast. A vigorous grower and unsurpassed for color effect in grouping. 12 to 18 inches, \$1.00; 2 to 3 feet, \$2.50; 3 to 4 feet, \$4.00; 4 to 5 feet, \$6.00.

**R. Plumosa** (*Plume-like Retinispora*). Of conical outline with light, feathery green foliage. It stands shearing well, and if frequently pruned becomes compact and dense. It is useful in groups, beds, or for vases and window boxes. 12 to 18 inches, \$1.00; 2 to 3 feet, \$2.50; 3 to 4 feet, \$4.00.

**R. Pisifera** (*Pea-Fruited*). Smaller than *R. obtusa*, with fine feathery foliage; branches glaucous underneath. A distinct and beautiful variety. 2 to 3 feet, \$2.50; 3 to 4 feet, \$4.00.

**R. pisifera aurea**. A variety of the preceding. Growth tessellated and very wavy; vigorous habit; foliage rich golden and permanent. 2 to 3 feet, \$3.00; 3 to 4 feet, \$4.00; 4 to 5 feet, \$6.00.

**Retinospora** (*Flavescens variegata*). Golden in appearance. The habit is dwarf and compact, and its ball-like form makes it a pretty little ornament in many places. 1½ to 2 feet, \$1.50; 2 to 2½ feet, \$3.00; 2½ to 3 feet, \$5.00.

**R. suarrosa Veitchii**. Possesses the merits of *R. plumosa*, resembles it in character, and is useful in the same ways. The foliage is feathery and of a rich, silvery glaucous or steel-blue that contrasts finely with the dark green and golden tints of other varieties. 1 to 2 feet, \$1.50; 2 to 2½ feet, \$3.00; 3 to 4 feet, \$5.00; 5 to 6 feet, \$8.00.

## SCIADOPITYS (Umbrella Pine)

**Sciadopitys verticillata** (*Umbrella Pine*). Japan. Very slow growth while young, eventually large size; dark green shining foliage arranged in whorls of umbrella-like tufts on horizontal branches. Perhaps the most remarkable and beautiful conifer brought from Japan. 1½ to 2 feet, \$3.00; 2 to 3 feet, \$7.50; 3 to 4 feet, \$10.00.

## TAXUS (Yew)

**Taxus baccata** (*English Yew*). A densely branched, spreading bush, of a dark sombre hue; one of the best evergreens for clipping into artificial forms. 2 to 3 feet, \$3.50; 3 to 4 feet, \$7.50.

## TAXUS (Yew) Continued

**T. baccata, var. fastigiata aurea** (*Golden, English Yew*). In character similar to the preceding, with young foliage a brilliant golden yellow. 2 to 3 feet, \$5.00.

**T. cuspidata** (*Abrupt Pointed Yew*). Japan. Dense, bushy, with somewhat ascending branches and dark green foliage; moderate growth. Most hardy of the Yews. Choice and rare. 12 to 18 inches, \$3.00; 18 to 24 inches, \$4.00.

**T. cuspidata brevifolia**. A valuable variety from Japan. The branches are spreading and the general aspect is less dense than the common Yew. A perfectly hardy variety in any situation. 1½ feet, \$3.50; 2 feet, \$4.00.

## THUYA (Arborvitae)

**Thuya occidentalis** (*American Arborvitae*). A well known shrub or tree popular for ornamental hedges, rapid growth. 2 to 3 feet, \$1.00; 3 to 4 feet, \$2.00; 5 to 6 feet, \$3.50.

**T. o. var. aurea** (*George Peabody's Arborvitae*). Color effect a clear, shining golden yellow that contrasts finely with darker evergreens. Of pyramidal habit, grows rapidly; has the brightest and most permanent color of all. 1½ to 2 feet, \$2.50; 3 to 4 feet, \$3.50.

**T. o. aurea nana**. A very dwarf, compact growing, formal variety of *B. orientalis*. It is the most popular of the Biota family, and is a perfect gem for use in small gardens or cemetery lots. The foliage is a bright golden yellow during the summer time, turning to a rich, bronzy yellow during the winter. 1 foot, \$2.00; 1½ feet, \$3.00; 2 feet, \$4.00.

**T. o. borealis** (*Chamaecyparis Nutkensis, or Sitka Cypress*). A good specimen tree, as well as useful in bed and group plantings, in sheltered or southern positions. Regularly furnished with graceful, slightly drooping branches. 2 to 2½ feet, \$2.50; 3 to 4 feet, \$4.00.

**T. o. Columbiana**. A moderate sized elegant tree with bright green foliage which is tipped throughout with creamy white. It holds its color throughout the season. 1 to 2 feet, \$2.00; 3 feet, \$3.00; 4 feet, \$4.00.

**T. o. compacta** (*Compact Arborvitae*). Dwarf, dense little evergreen, having light green foliage and neat attractive habit. For beds, borders, cemeteries, or house decoration it is highly popular. 12 to 18 inches, \$1.00; 2 to 2½ feet, \$2.00.

**T. o. globosa** (*Globe Arborvitae*). Very dwarf and compact; grows naturally into a rounded, almost ball-like form, that makes it useful for grouping, specimens, or vases. The foliage is deep, dark green. 10 to 12 inches, \$1.00; 12 to 18 inches, \$1.50; 18 to 24 inches, \$2.50.

**T. o. pyramidalis** (*Pyramidal Arborvitae*). The most narrow, columnar-like of evergreen, medium growth, very distinct, light green, compact foliage. Very effective in landscape. 18 to 24 inches, \$1.00; 2 to 3 feet, \$2.00; 3 to 4 feet, \$3.00.

**Thuya Occidentalis Rosenthali**. Foliage dark green and dense. A compact grower. Plants 3 feet high, \$3.00.

**T. o. var. Vervaeana**. Of medium, upright growth and dense habit. The green and golden tinted leaves blend harmoniously. 3 to 4 feet, \$3.00; 4 to 5 feet, \$5.00.

**T. o. Standishi** (*Standish's Deciduous Cypress*). This is a beautiful ornamental tree, thickly foliated and presenting a very graceful appearance. It is absolutely hardy and a rapid grower. 3 feet, \$3.50; 4 feet, \$4.50; 5½ feet to 6 feet, \$8.00.

**T. o. var. Wareana; syn. Sibirica** (*Siberian Arborvitae*). An especially valuable species for cold climates. Dense and shapely, medium height in much demand for general purposes. 2 to 3 feet, \$3.00; 3 to 4 feet, \$5.00.

**T. orientalis elegantissima** (*Biota orientalis*). Medium size, upright pyramidal torch-like form, foliage flaky, tipped with yellow, giving it a bright golden color all summer and autumn, and turning bronze brown in winter. 2 to 3 feet, \$2.50; 3 to 4 feet, \$5.00; 4 to 5 feet, \$7.00.

**T. orientalis** (*Biota*). Chinese Arborvitae. 12 to 18 feet. Bushy and upright in growth and very attractive foliage. 3½ to 4 feet, \$2.50; 5 to 6 feet, \$5.00.

**T. o. Hoveyi** (*Hovey's Arborvitae*). Slow growth, pyramidal form, golden green tinge. Most ornamental of American Arborvitae. 18 to 24 inches, \$1.50.

**T. o. lutea**. A tree of compact, upright growth, with beautiful yellow-tipped foliage that is gracefully suspended by slightly drooping branches. Very useful for specimens, and desirable for contrast in making groups. 1 to 2 feet, \$2.50; 2 to 3 feet, \$3.00; 4 to 5 feet, \$5.00.

**T. o. semper aurea** (*Always Golden*). Dwarf, dense, conical habit. Color golden throughout the year. 1 to 2 feet, \$2.00.



# MICHELL'S DECIDUOUS SHADE TREES

SHIPPING SEASON FROM OCTOBER 15th UNTIL FROST

Ornamental shade trees judiciously and tastefully arranged enhance the value of real estate, and are always a safe investment, not alone for their life-giving oxygen, cooling shade, etc., but for beauty, grace of outline, and brilliant autumn coloring. Our stock of shade trees is complete, they are correctly grown, have been many times transplanted and given plenty of room for development of tops. The root system is perfect. We can supply shade trees in almost unlimited quantities. Shipment can be made by freight and express only. No Trees sent C. O. D.

## BEECH (*Fagus*)

***Fagus sylvatica pendula* (Weeping Beech).** One of the most curious and beautiful lawn trees. Irregular in outline, and has a picturesque beauty peculiar to itself. Its twisted and contorted branches resemble living fountains of foliage, rendering it indispensable as a specimen or in breaking up the regular outline of other trees. 4 to 5 feet, \$5.00; 8 to 10 feet, \$10.00.

***F. sylvatica purpurea* (Purple Beech).** One of the handsomest lawn trees, of graceful habit, attaining a height of forty to sixty feet. The foliage in spring is a deep purple, changing later in the season to green. Should be closely pruned when transplanted. 4 to 5 feet, \$2.50; 5 to 6 feet, \$4.00.

***F. sylvatica Riversii* (Rivers' Purple Beech).** The finest of all purple-leaved trees. When a large-growing tree with purple foliage is wanted, nothing equals this. Though it varies in intensity of color from early spring until late fall, the leaves are always a rich shade, sometimes crimson and sometimes almost black. 4 to 5 feet, \$3.00; 6 to 8 feet, \$5.00.

## BIRCH (*Betula*)

***Betula alba laciniata pendula* (Cut-leaved Weeping Birch).** Beyond a doubt the most beautiful of all Birches. Tall, slender, with graceful drooping branches, silvery, white bark and delicately cut foliage. As a single specimen on the lawn, it is very desirable. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.00.

***B. Youngi pendula* (Young's Weeping Birch).** A variety found trailing on the ground near Milford, England. When grafted it droops gracefully to the ground in fine, thread-like shoots. One of the most beautiful of the Weeping Birches. 4 to 5 feet, \$4.00; 5 to 6 feet, \$6.00.



Red Flowering Dogwood

## DOGWOOD (*Cornus*) (Selected Specimen)

***Cornus florida rubra* (Red-flowering Dogwood).** One can hardly form an idea of the character of this strikingly beautiful flowering tree. The flowers, which appear early in May before the leaves, are of a deep rosy-pink color—a decided improvement upon the white variety, possessing the same freedom of flowering, producing a perfect drift of bloom. It is an upright grower, with roundish head, foliage large, velvety, dark green in summer and brilliant crimson in fall. Selected specimens. 2 to 3 feet, \$2.50; 3 to 4 feet, \$3.00.

***C. florida* (White-flowering Dogwood).** Similar to the red-flowering in habit of growth, though attaining larger proportions. When clothed in a mass of conspicuous white flowers in spring it is indeed an object of beauty, and should be included in every collection. 4 to 5 feet, \$1.50; 5 to 6 feet, \$2.00.

## ELM (*Ulmus*)

***Ulmus Americana* (American Elm).** One of the finest street shade trees in the world; its gracefully spreading branches, assuming a graceful arching growth over driveways, afford abundant shade. 8 to 10 feet, \$1.75; 10 to 12 feet, \$2.50.

## HORSE CHESTNUT (*Aesculus*)

***Aesculus hippocastanum* (White-flowering Horse Chestnut).** As an ornamental shade tree, the Horse Chestnut is highly recommended. The flowers are large, white, spotted with purple and produced in large, compact spikes, making a showy appearance. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.

## LARCH (*Larix*)

***Larix decidua* (European Larch).** A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 4 to 6 feet, \$2.00.

## LINDEN (*Tilia*)

***Tilia Europaea* (European Linden).** Medium growth, eventual size very large, leaves smaller and darker than those of the American Linden, in great profusion, forming a dense shade; outline regular and conical. One of the most ornamental of trees, growing in almost any soil, and adapted to lawn or avenue. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.50.

***T. Americana* (Linden, or Basswood).** The largest-growing Linden, making a majestic tree. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. A fine and valuable tree. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.50.

## MAGNOLIA

***Magnolia Alexandrina*.** Has large, light pink flowers resembling *Soulangeana*, but blooms earlier. 2 to 3 feet, \$2.50; 3 to 4 feet, \$3.50.

***M. conspicua*.** In habit of growth similar to *Soulangeana*, but most esteemed of all on account of its large, pure white flowers, which are produced in great abundance the last of April. 2 to 3 feet, \$4.00; 3 to 4 feet, \$5.00.

***M. Soulangeana*.** A low spreading tree, covered early in the spring before the leaves appear, with an abundance of large flowers, purple at the base and white in the upper half of the petals, and appearing in such quantities as to completely cover the tree. 3 to 4 feet, \$3.00; 4 to 5 feet, \$5.00.

***M. Soulangeana Lennei*.** A very showy flower, cup-shaped, crimson-purple outside, and pearl-colored within. Finest of the Purple Magnolias. 2 to 2½ feet, \$4.00.

***M. Soulangeana speciosa*.** Resembles the *Soulangeana* in growth and foliage, but the flowers are a little smaller and of a lighter color, fully a week later. 2 feet, \$2.50; 3 feet, \$5.00.

***M. stellata* syn. *Halleana*.** A dwarf tree from Japan. Its form is low and shrub-like; its flowers are pure white; the petals are long, narrow, and arranged in double rows, and the fragrance is delicate. It blooms earlier than any other Magnolia, and is very showy. 2 feet, \$2.00; 3 feet, \$5.00.



## MAPLE (Acer)

**Acer dasycarpum** (*Silver Maple*). A tree of very rapid growth and spreading habit; extensively planted for ornament and shade; the silvery foliage rendering it very attractive. 10 to 12 feet, \$1.50; 12 to 14 feet, \$2.50.

**A. palmatum Atropurpureum** (*Japanese Maple*). The Japan Maple is unsurpassed for ornamental purposes. The variety offered, *Atropurpureum*, is the hardiest of colored-leaved forms, and is more largely planted, the blood-red foliage making it a strikingly handsome and conspicuous tree. Trees are dwarf in habit, seldom attaining a height of more than a few feet; compact and regular. It is hardly possible to convey a correct idea of their peculiar beauty. 2 feet, \$1.50; 3 feet, \$3.00.

**A. platanoides** (*Norway Maple*). One of the finest park, street, shade or lawn trees in America; of rounded form, compact habit, stout, vigorous growth, with large, handsome broad leaves of deep rich green which remain on the trees until late in the season. Decidedly one of the handsomest shade trees. 8 to 10 feet, \$1.50; 10 to 12 feet, \$2.50; 12 to 14 feet, \$4.00.

**A. platanoides Schwedleri** (*Schwedler's Purple-Maple*). A beautiful variety, with the young shoots and leaves of a bright purplish or crimson color, which changes to purplish-green on the older leaves. One of the most valuable trees. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.00.

**A. pseudo-platanus purpurescens** (*Purple-leaved Sycamore*). Leaves deep green on upper surface, purplish-red beneath, producing a beautiful color effect when leaves are in motion. Fine for lawns or for grouping with other foliage trees. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.

**A. saccharinum Wieri** (*Wier's Cut-leaf Silver Maple*). A remarkably beautiful and very graceful tree, of weeping habit and abundance of deep green cut foliage. Tree a rapid grower and succeeds well on all soils. No other tree approaches it for beauty and gracefulness. As a single specimen on the lawn it cannot be surpassed. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.

**A. saccharum** (*Sugar, or Rock Maple*). Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 10 to 12 feet, \$2.00; 12 to 14 feet, \$4.00.

## MOUNTAIN ASH (Sorbus)

**Sorbus Aucuparia** (*European Mountain Ash*). A handsome native tree; beautiful when in fruit or flower. In autumn and early winter the tree is clothed with large clusters of red berries, rendering it very conspicuous. 8 to 10 feet, \$2.50.

## MULBERRY (Morus)

**Morus alba pendula** (*Teas' Weeping Mulberry*). The most graceful and hardy weeping tree in existence. Wholly unlike anything heretofore introduced. Forms a perfect umbrella-shaped head, with long, slender, willowy branches, drooping to the ground. It has beautiful foliage, is wonderfully vigorous and healthy; is one of the hardiest; safe and easy to transplant. 2 year heads, \$3.50; large specimens, \$5.00.

## OAK (Quercus)

**Quercus coccinea** (*Scarlet Oak*). This is perhaps the most esteemed of all Oaks. Not only does it make a large, well-shaped tree, but in the fall the foliage changes to a brilliant scarlet. It makes a fine street or avenue tree. 7 to 8 feet, \$2.50; 8 to 10 feet, \$3.50.

**Q. palustris** (*Pin Oak*). Foliage deep green and finely divided. As the tree grows the lower branches droop, till they almost touch the ground. The leaves become of a scarlet and yellow color in autumn. A splendid avenue tree—in fact, we highly recommend it for every purpose, as few trees are prettier than a lawn specimen of this Oak. It thrives in almost any soil, and stands the test of city street planting. 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.50; 12 to 14 feet, \$5.00.

**Red Oak** (*Quercus Rubra*). A large native tree, with deeply cut, bright green leaves. It is a good grower and not particular about the soil. In autumn the foliage turns a rich purplish crimson that is scarcely surpassed in brilliancy by any other tree. 6 to 8 feet, \$2.50; 8 to 10 feet, \$3.50.

## PLATANUS (Plane Tree)

**Platanus orientalis** (*Oriental Plane, Buttonwood*). A favorite tree for avenue and seashore planting, of large spreading habit and rapid growth, attaining a height of fifty to seventy feet, and not affected by insects. Leaves large, smooth and handsome, affording abundant shade. Thrives in high or low ground and cannot be too highly recommended where a large rapid-growing tree is desired. 8 to 10 feet, \$2.00; 10 to 12 feet, \$2.50; 12 to 14 feet, \$3.50.

## POPLAR (Populus)

**Populus monilifera** (*Carolina, or Cottonwood Poplar*). It is good in almost any location, thriving at the seashore in poor, sandy soil. It forms a fine-shaped, spreading tree, with large, dark, glossy leaves, and for screens is unequalled. 10 to 12 feet, \$1.50.

**P. nigra fastigiata var. Italica** (*Lombardy Poplar*). Its tall fastigate form, sometimes reaching 120 feet, makes it indispensable in landscape effects for breaking monotony of outline. Its growth is very rapid. 8 to 10 feet, \$1.50; 10 to 12 feet, \$2.00; 14 to 16 feet, \$3.00.

## PYRUS

**Pyrus** (*Bechtel's Double-flowering Crab*). A variety which we consider the best flowering Crab ever introduced. The tree is of medium growth, and the flowers of immense size, of a beautiful pink color, are highly fragrant. They are very double and resemble pink roses. 2 to 3 feet, \$2.00; 3 to 4 feet, \$2.50.

## SALISBURIA (Maiden Hair Tree or Ginkgo)

One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maidenhair Fern; perfectly hardy. 6 to 8 feet, \$1.50; 8 to 10 feet, \$2.50.

## SWEET GUM (Liquidambar)

**Liquidambar styraciflua** (*Sweet Gum*). One of our most ornamental trees. A rapid growing tree, and thriving in a great variety of soils. The leaves are roundish, but with five to seven pointed spreading lobes. In autumn they assume a rich bronze color, and oftentimes change to crimson. 6 to 8 feet, \$2.00; 8 to 10 feet, \$3.00.

## TULIP TREE (Liriodendron)

**Liriodendron tulipifera** (*Tulip Tree*). A popular native deciduous tree, sometimes attaining a height of seventy-five to one hundred feet. 6 to 8 feet, \$1.50; 10 to 12 feet, \$2.50.



Catalpa or Umbrella Tree

## UMBRELLA TREE (Catalpa Bungei)

For the lawn, formal garden or terrace decoration the Catalpa Bungei is very effective. It is an ideal lawn tree, decidedly ornamental and unique, clothed with a mass of large heart-shaped leaves that overlap each other, forming a perfect roof. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. A striking and very ornamental tree upon the lawn. On terraces when used in connection with the California Privet hedge the effect is most pleasing.

Price, 6 to 7 feet stems, 1 year heads, \$1.25 each; 6 to 7 feet stems, 2 year heads, \$2.50 each; 6 to 7 feet stems, 4 year heads, \$5.00 each.

## WILLOW (Salix)

**Salix Babylonica** (*Weeping Willow*). This is the well-known Weeping Willow, whose long, pendulous branches droop so gracefully, and sway to the lightest breeze. Makes an admirable shade tree and grows well in wet or dry places. 8 to 10 feet, \$1.50; 10 to 12 feet, \$2.50.



## MICHELL'S NEW VARIETIES OF POPULAR FRUITS

### CACO GRAPE (A cross between Concord and Catawba)

The most delicious of all Grapes—perfectly hardy, has been pronounced by America's most expert grape growers *to equal in high quality and melting texture* the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent.

The large berry is wine-red. Bunch of good size, compact and of good form. Ripens ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine a very strong vigorous grower, healthy and prolific.

Fruit for past two years sold in open market by the crate at more than double the price of any other variety.

Awarded a medal by the American Institute of New York; the highest honor ever conferred a variety of fruit by this (time honored) institution. We cannot recommend the Caco too highly.

Very strong vines, 2 years, each, 50c.; dozen, \$5.00; 100, \$35.00. (Parcel Post Weight, 1 lb. each).

### STAR BLACKBERRY

Imagine picking great clusters of giant sized Blackberries from canes that resemble grape vines. This is what you can do if you plant the Star Blackberry. The yield is so great that over eighty quarts of berries have been picked from a single plant of it in one season.

Train to a stake or trellis or over an arbor as grapes are grown—and give them plenty of room.

Berries large, of attractive appearance and rich, sprightly and luscious quality.



A Single Cluster of Star Blackberry

Caco Grape

They keep in good condition for a long time and can be safely shipped almost any distance. The ideal berry for the home garden. Transplanted plants, which should bear this year. each, 20c.; dozen, \$2.00; 100, \$12.50.

(Parcel Post Weight, each, 1 lb.; 5 lbs. per doz.).

### NEW EVERBEARING RASPBERRY "RANERE"

It yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, very sweet and juicy and is borne in great abundance, and does not seem to sunscald as easily as other sorts, last season we had a photo made of a stalk which had by actual count 169 berries on one stem, this will give some idea of its free fruiting qualities.

We will send out strong plants, which, from our experience in the past, should bear the first season.

Price: 60c. per doz., per 100, \$4.00; \$17.50 per 500; \$30.00 per 1000.

(Parcel Post Weight, per doz., 5 lbs.).



The Wonderful Everbearing Raspberry "Ranere"

Plants in quantities larger than a few can best be shipped via express or freight. No Plants sent C. O. D. (hc)



# MICHELL'S SELECTED SMALL FRUITS

91

SHIPPING SEASON FROM OCTOBER 15th UNTIL FROST



*Blackberry Mersereau*

## BLACKBERRIES (Extra Strong Plants)

**Eldorado.** A very vigorous grower, free from mildew or rust, enormously productive; fruit large, excellent quality, free from core. Per doz., 60c.; \$3.00 per 100.

**Erie.** Very productive; free from rust; fruit of good quality. 75c. per doz.; \$3.00 per 100; \$20.00 per 1000.

**Ohmer.** Canes hardy; fruit very large; of excellent quality, firm, with no core, and sweet before soft or fully ripe. 60c. per doz.; \$3.50 per 100.

**Mersereau.** Remarkably strong grower. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; sweet, without core. Unsurpassed as a shipper and keeper. Per doz., 75c.; \$4.00 per 100.

**Rathbun.** Fruit is of enormous size, single specimens measure one and three-quarters inches in length, firm and sweet, with no core. Plant is very hardy. 60c. per doz.; per 100 \$3.00.

**Star (New).** (*Everbearing.*) See page 189 for a full description of this. 20c. each; \$2.00 per doz.; per 100, \$12.50.

**Ward.** A new blackberry of great merit. A seedling of the Kittatinny, which it resembles somewhat. A very strong grower; it is perfectly hardy. The fruit is black throughout, very prolific and firm. 60c. per doz.; \$4.00 per 100.

We consider the above the best varieties in commerce.

**Note.**—If Blackberries are desired by Parcel Post allow 5 lbs. per dozen for postage, as we send out only extra strong plants which generally bear some the first season.

We consider the above varieties the best in cultivation.

**Note.**—If Raspberries are desired by Parcel Post, allow 5 lbs. per doz. for postage, as we send out extra strong plants.

## CURRENTS (Extra Strong Plants)

Currents like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

**Black Naples.** Fruit varies from small to large, averaging above medium; strong flavor. An old and well-known variety.

**Cherry.** Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red. One of the most productive of the large currants.

**Fay's Prolific.** Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

**North Star.** Bush very vigorous, upright, somewhat spreading; clusters medium length.

**Red Dutch.** An old and well-known standard variety; clusters average about three inches long; berries medium in size, dark red.

**Versailles (La Versailles).** Bush a vigorous, somewhat spreading grower. Very similar to Cherry in habit of growth and character of fruit.

**White Grape.** Clusters long; berries very large; of very attractive color, mild flavor and good quality.

**Price,** any of the above varieties of Currants, strong 2-year-old, 15c. each; per doz., \$1.25; \$8.00 per 100.

**Note.**—If Currants are desired by Parcel Post, allow 5 lbs. per doz. for postage, as we send out extra strong plants, which generally bear some the first season. The varieties we list are among the best.

## RASPBERRIES

### Extra Strong Plants

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

**Brilliant.** Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. \$1.00 per doz.; per 100, \$5.00.

**Cumberland (Blackcap).** The largest raspberry known. Selected specimens measure an inch in diameter, immensely productive. Season a little in advance of Gregg. 60c. per doz.; per 100, \$3.50.

**Cuthbert.** Berries very large, measuring 3 inches around; conical; rich crimson. 60c. per doz.; per 100, \$3.50.

**Columbian.** Fruit very large, often an inch in diameter; color dark red, bordering on purple. 75c. per doz.; per 100, \$3.50.

**Gregg (Black).** Large, firm, of good quality, ripening late. Exceedingly productive. 60c. per doz.; per 100, \$3.50.

**Golden Queen.** Berries are large, of beautiful bright yellow, of excellent quality; medium to late. Per doz., 75c.; \$3.50 per 100.

**Ranere (Everbearing).** A full description of this will be found on page 189. 60c. per doz.; per 100, \$4.00.



*Raspberry Brilliant*



*Currant White Grape*



# MICHELL'S SELECTED SMALL FRUITS

(SHIPPING SEASON IN OCTOBER AND NOVEMBER)



## GRAPE VINES

**Brighton.** Bunch large, well formed; berries above medium to large, round; excellent flavor and quality. One of the earliest in ripening.

**Caco (New).** A full description of this variety will be found on page 90. Extra strong vines, 50c. each; doz., \$5.00.

**Campbell's Early.** A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich, delicious.

**Catawba.** Delicious flavor; medium size red berry.

**Concord.** The well-known standard purple variety, succeeds wherever grapes will grow.

**Delaware.** Bunches and berries rather small; light red; juicy.

**Green Mountain.** A very early grape of the best quality; of medium size; color, greenish-white; almost melting in the mouth; vine vigorous, healthy and productive.

**Moore's Diamond.** A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

**Moore's Early.** Berry large, with heavy blue bloom. Vine exceedingly hardy; desirable for an early market.

**Niagara.** An unusually strong grower; bunches very large and compact, berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

**Pocklington.** Bunch and berries large, when fully ripe a light golden-yellow. Vine thoroughly hardy, strong grower and productive.

**Vergennes.** Berries large, holding firmly to the stem; light amber; rich and delicious.

**Worden.** A beautiful, large black grape; larger, earlier and decidedly better than Concord.

**Wyoming.** Vine very hardy, healthy and robust. One of the most beautiful of the amber or red grapes, and in size nearly double that of the Delaware. Flesh tender and sweet, with a strong native aroma. Ripens before Delaware.

**SPECIAL OFFER.** We have an extra fine stock of most of the varieties which are described above, in strong 3-year-old vines. These will invariably produce fruit a year after planting, which makes it well worth while to plant 3-year-old stock.

Our stock of these, however, in some varieties is limited and constantly changing; we therefore suggest that customers allow us to send, in case we are sold out of the varieties they want, a good substitute, which in any event will be equal to or better than the variety they have ordered of the same color.

**PRICES.** Strong 2-year-old vines, except where noted. 25c. each; doz., \$2.50; \$15.00 per 100. Extra strong 3-year-old vines, which generally bear the following season, 50c. each; doz., \$5.00; \$30.00 per 100. Parcel Post Weight on Grape Vines, 2-year-old, 1 lb.; 3-year-old, 2 lbs.

## GOOSEBERRIES (Extra Strong)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

**Industry.** An English variety quite hardy here; the large red berries are produced in quantities. 20c. each; doz., \$2.00; \$15.00 per 100.

**The Pearl.** Large pale green fruit of exceptional quality; very sweet. 20c. each; doz., \$2.00; \$15.00 per 100.

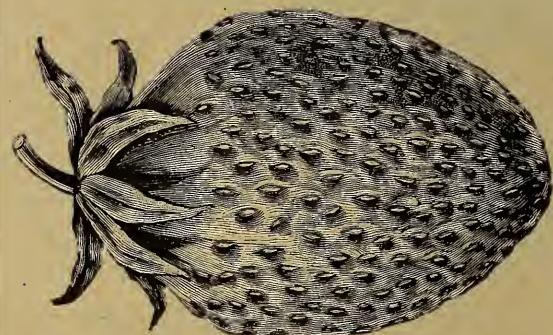
**Downing.** Fruit medium to large, whitish green; flesh soft, juicy. Each, 15c.; per doz., \$1.50; per 100, \$10.00.

**Houghton.** Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale red, tender and good. 20c. each; per doz., \$2.00; \$15.00 per 100.

**Red Jacket.** Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean healthy foliage. 20c. each; doz., \$2.00; 100, \$15.00.

**Note.**—Parcel Post Weight on Gooseberries, 5 lbs. per doz.

## POT GROWN STRAWBERRY PLANTS



Auto

For full description of these see our July Catalog. Copy mailed on request.

These can be planted with splendid success in September and as late as October, and they will produce a good crop next season.

	Doz.	100	1000
<b>Auto (Perfect).</b> Mid-season .....	\$0.60	\$3.50	\$30.00
<b>Abington (Perfect).</b> Early .....	.70	4.00	37.50
<b>Barrymore (Perfect).</b> Mid-season .....	.60	3.50	30.00
<b>Big Joe (Perfect).</b> Mid-season .....	.60	3.50	30.00
<b>Brandywine (Perfect).</b> Mid-season .....	.60	3.50	30.00
<b>Bubach (Pistillate).</b> Mid-season .....	.60	3.50	30.00
<b>Chesapeake (Perfect).</b> Late .....	.60	3.50	30.00
<b>First Quality (Perfect).</b> Mid-season .....	.60	3.50	30.00
<b>Gandy (Perfect).</b> Late .....	.60	3.50	30.00
<b>Glen Mary (Pistillate).</b> Mid-season .....	.60	3.50	30.00
<b>Heritage (Perfect).</b> Mid-season .....	.60	3.50	30.00
<b>Marshall (Perfect).</b> Early .....	.60	3.50	30.00
<b>President (Perfect).</b> Mid-season .....	.70	4.00	35.00
<b>Rewastico (Perfect).</b> Mid-season .....	.80	5.00	40.00
<b>Sample (Pistillate).</b> Late .....	.60	3.50	30.00
<b>Senator Dunlap (Perfect).</b> Early .....	.75	5.00	40.00
<b>Sharpless (Perfect).</b> Late .....	.60	3.50	30.00
<b>Steven's Late Champion (Perfect).</b> Late ..	.80	5.00	40.00
<b>Success (Perfect).</b> Early .....	.60	3.50	30.00
<b>Wildwood (Perfect).</b> Early .....	.60	3.50	30.00
<b>Wm. Belt (Perfect).</b> Mid-season .....	.60	3.50	30.00

**Prices of Extra Strong Layer Plants, ready after October 1st.** 25c. per doz.; per 100, \$1.25; \$7.50 per 1000, by express not prepaid. **Orders can be booked now.**

## AUTUMN OR EVERBEARING STRAWBERRY PLANTS

These are very popular and worthy of extensive planting.

**Pot Grown Plants.**

	Doz.	100	1000
<b>Progressive</b> .....	\$0.75	\$4.00	\$37.50
<b>Superb</b> .....	.75	4.00	37.50
Layer Plants of Fall Strawberries ready in October. 30c. doz.; per 100, \$1.75; \$15.00 per 1000.			



Fine fruit is the flower of commodities. "It is the most perfect union of the useful and the beautiful that the earth knows. Trees full of soft foliage; blossoms fresh with spring beauty; and, finally, fruit, rich, bloom-dusted, melting and luscious." If you contemplate planting a large number of fruit or nut trees or are interested in other varieties, please get our quotations.

## APPLES

- Arkansas Black.** Tree very hardy, coming into fruiting young; fruit large, round and smooth; skin black, flesh yellow, juicy, crisp and delicious flavor; one of the best eating Apples.
- Baldwin.** Large, roundish; deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular varieties in northern States.
- Ben Davis.** Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable market sort.
- Grimes' Golden** (Grimes' Golden Pippin). Of the highest quality; medium to large size; deep golden-yellow, sub-acid, aromatic, spicy and rich. Tree vigorous and productive.
- Jonathan.** Medium size; red and yellow; flesh tender, juicy and rich; a moderate grower; shoots light colored, slender and spreading; very productive. One of the best varieties either for table or market.
- Maiden's Blush.** Rather large, smooth, regular, with a fine, evenly shaded red cheek or blush on a clear, pale yellow ground; flesh white, tender, sprightly, with a pleasant sub-acid flavor.
- Mammoth Black Twig.** A very large, dark red winter apple from Arkansas. Is being largely planted for a market variety in the West as superior to Winesap. Tree vigorous, hardy and productive.
- McIntosh Red.** Hardy Canadian apple. Medium, nearly covered with dark red; flesh white, fine, tender, juicy. Good annual bearer.
- Paragon.** Fruit large, roundish, somewhat flattened; color dark red; flesh firm, yellow, crisp, aromatic, sub-acid and juicy. It is a very late keeper, rich and of excellent quality.
- Red Astrachan.** Large, roundish, nearly covered with deep crimson, overspread with a thick bloom; juicy, rich acid, beautiful, productive.
- Rhode Island Greening.** Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer.
- Rome Beauty.** Large and handsome, yellow, with crimson cheek, and tender, juicy yellow flesh. Bears heavy annual crops.
- Starr.** This apple has every good point in its favor—early ripening, large size, good quality and productiveness; color of fruit pale green, frequently with blush on sunny side. As a cooking apple it cannot be equaled, having a rich, sub-acid flavor, and when thoroughly ripe is a delicious apple to eat out of hand.
- Smith Cider.** Medium size; greenish-white, striped with red; very productive.
- Smokehouse.** Above medium, roundish oblate; yellow, shaded and striped with bright red; flesh yellowish, crisp, juicy, rich and pleasant sub-acid. A rather crooked grower, but productive.
- Stayman's Winesap.** One of the finest apples grown for appearance, flavor and juiciness. Medium size, conical; mostly covered with red on yellow ground; flesh fine, crisp and high-flavored.
- Wealthy.** As a late fall apple the Wealthy has few equals. Skin smooth, oily, mostly covered with dark red; flesh white, fine grained, juicy, vinous, sub-acid; unequaled for cooking and excellent to eat out of hand; tree a free grower, very hardy and exceedingly productive.
- Winesap.** Medium size, dark red, rich flavor; very productive. Late.
- Yellow Transparent.** One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy; fruit pale yellow, roundish, ovate, good size and good quality; skin clear white at first, becoming a beautiful pale yellow when fully matured.

## CRAB APPLES

- Hyslop.** Fruit large, produced in clusters, deep crimson, covered with blue bloom. Very popular on account of its large size, beauty and hardness.
- Transcendent.** Tree immensely productive, bearing after second year. Fruit from 1½ to 2 inches in diameter; skin yellow, striped with red; most popular.
- Price of Apple Trees. Extra, 6 to 8 feet. 75c. each; \$7.50 per doz.; \$50.00 per 100.

## APRICOTS

### RUSSIAN

- Alexander.** Ripens latter part of July; fruit medium in size, oblong and flattened, orange-yellow with faint blush; flesh firm, rather coarse.
- Catherine.** Earlier than Alexander; fruit small to medium, slightly oblong, globular, deep rich orange with dull red cheek.
- J. L. Budd.** About same as Catherine in season of ripening; oblong in shape; light orange with faint blush; flesh juicy with a sweet peachy flavor; quality good.
- Price of Apricots, two years old, 60c. each; \$6.00 per doz.

## CHERRIES

- Black Eagle.** Large, black; tender, rich, juicy and high flavored. Tree a moderate grower and productive.
- Black Tartarian.** Very large, purplish black; half-tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. One of the most popular varieties.
- Early Richmond.** Medium size, dark red; juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid Cherries.
- Governor Wood.** Fruit large, roundish, heart-shaped. Skin light yellow, shaded and marbled with bright red. Flesh tender, juicy, sweet, rich and delicious.
- Large Montmorency.** A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond.
- Mercer.** A heart variety of large size, excellent quality and attractive appearance, larger than Black Tartarian; color when ripe very dark red, very meaty and firm, free from rot and disease, very productive, hardy and a good grower.
- Napoleon.** A magnificent cherry of the largest size; pale yellow, with a bright red cheek; flesh very firm, juicy and sweet. Tree a vigorous, erect grower and bears enormous crops; ripens late.
- Windsor.** A remarkably firm, large late variety, and no doubt the best of its season; fruit large, liver-colored, of good quality.
- Yellow Spanish.** Large; pale yellow, with bright red cheek in the sun; flesh firm, juicy and delicious; one of the best, most beautiful and popular of all light-colored Cherries.
- Prices of Cherry Trees. Extra heavy, 5 to 7 feet. 75c. each; \$7.50 per doz.

## PLUMS

- Abundance.** In tree and fruit unlike any other plum. In growth it is so strong and handsome as to render it worthy of being planted as an ornamental tree. The fruit is very large, showy and beautiful. Amber, turning to a rich, bright cherry color.
- Burbank.** Medium to rather large, roundish conical in form; orange-yellow, overlaid with red; flesh firm, meaty, yellow, rich, sugary.
- Hale.** The plums are of the largest size of its class, bright orange-yellow skin, mottled and nearly covered with vivid cherry-red; flesh yellow, firm and delicious.
- Red June (Japan).** Vigorous, hardy, early productive; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow, firm and of excellent quality.
- Sultan.** One of the most attractive of plums; very large in size, deep purplish-crimson in color; flesh very firm, fragrant, sweet, dark crimson shaded with pink.
- Wickson.** Fruit large, obconical, dark crimson-purple; flesh very firm, yellow, juicy, sub-acid, highly flavored; pit small; clingstone; quality best. An excellent keeper.
- Wild Goose.** Large, rich crimson; very productive and profitable.
- Prices of Plum Trees. Extra, 5 to 6 feet. 75c. each; \$7.50 per doz.



# MICHELL'S FRUIT AND NUT TREES

## PEARS

**Bartlett.** Large size, with often a beautiful blush next the sun; buttery, very juicy and high flavored; bears early and abundantly.

**Flemish Beauty.** Large, beautiful, juicy, melting, rich and fine; good bearer; one of the hardiest and does well everywhere.

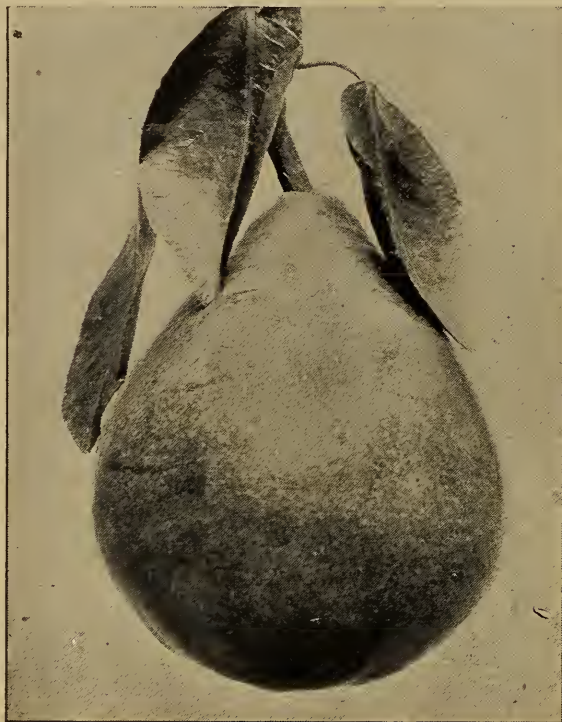
**Howell.** Large, light waxen-yellow, with a fine, red cheek; handsome, rich, sweet, melting; perfumed, aromatic flavor. An early annual and profuse bearer.

**Kieffer.** While not of best quality, properly ripened it is a fair dessert fruit, and one of the very best for canning and preserving. Of large size and handsome appearance.

**Lawrence.** A good grower; very productive and an annual bearer. Fruit medium, canary-yellow, sweet and excellent; a good keeper.

**Le Conte.** Very vigorous grower; fruit very large, greenish-yellow; smooth and handsome; juicy.

**Seckel.** Small, skin rich yellowish-brown, when fully ripe, with deep, brownish-red cheek; flesh very fine grained, sweet, exceedingly juicy; one of the richest and best flavored Pears.



Worden-Seckel

**Worden-Seckel.** A seedling of the Seckel, which for many years has been conceded to be the standard of excellence. Equal in quality to its famous parent, which it much resembles in flavor, is equally as luscious, more juicy, and with an aroma equally as rich and inviting, while in size, color, form and appearance it is decidedly superior. Tree a more upright and rapid grower than Seckel; an enormous bearer; fruit keeps well, retaining its quality to the last.

Prices of Pear Trees: Extra, 5 to 7 feet, 75c. each; \$7.50 per doz.

## QUINCES

**Bourgeat.** A new golden prolific variety of the best quality, ripens shortly after Orange and keeping until Midwinter; yielding immense crops. Fruit of largest size, round, rich golden color.

**Champion.** A prolific bearer, fruit averaging larger than the Orange; bears extremely young.

**Meech.** Immensely productive, frequently bearing fruit when but two years of age; the fruit is large, lively orange-yellow, of great beauty and delightful fragrance.

**Orange.** Large, roundish; bright golden-yellow; cooks tender and is of very excellent flavor; valuable for preserves or flavoring.

Price of 2 year old Quince Trees, 4-5 ft. high, 75c. each; doz., \$7.50.

## PEACHES

**Bear's Smock (Late).** Large size; flesh yellow; an improvement on Smock Free; a few days later and an annual bearer.

**Belle of Georgia.** Freestone; skin rich creamy-white, with a bright red cheek on sunny side; quality delicious.

**Carman (Early).** Fruit large, with pale yellow skin, red blush on sunny side; flesh white, tender and melting, rich sweet and of superior flavor.

**Champion (Early).** Freestone; very large; creamy-white, with a bright red cheek; flesh creamy-white, firm, sweet and delicious.

**Chair's Choice (Late).** Freestone; very large; yellow, with a red cheek; flesh yellow, firm and of good quality.

**Crawford's Early.** Fruit large, oblong; skin yellow, with fine red cheek; flesh yellow; wonderfully productive.

**Crawford's Late.** Fruit of largest size; skin greenish-yellow, with dull red cheek; flesh yellow.

**Elberta (Medium).** Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. One of the leading market varieties.

**Ford's Late White.** Large, white, handsome; of good quality.

**Greensboro.** The largest of the early Peaches. Yellow, with a bright red covering; flesh white; of excellent flavor.

**Iron Mountain (Late).** Freestone; large; pure white skin; flesh white to the stone, solid, juicy, sweet and excellent.

**Mountain Rose (Early).** White, with red cheek; very good; freestone.

**Oldmixon Free (Medium).** Uniformly large; white, covered with bright red; one of the best.

**Stephen's Rare Ripe (Late).** Fruit white, shaded red. Flesh firm, juicy. Freestone.

**Stump the World.** Very large; skin white, with bright red cheek; flesh white, juicy and good.

Prices of Peach Trees: Extra, 5 to 6 feet, 50c. each; \$5.00 per doz.

## NUT TREES

**Paragon Chestnut (Grafted).** Tree hardy, productive; nuts large and of excellent quality. Two trees four years grafted produced one bushel of nuts each, which sold at wholesale at \$10.00 per bushel.

**Ridgeley Chestnut (Grafted).** A large variety of the Chestnut from Delaware. Very productive. As indicating its great value as a market variety, the crop from the original tree is reported to have brought \$32.00.

Price of Chestnut Trees, 4 to 6 feet high, \$2.00 each; doz., \$20.00.

**Black Walnut.** A native tree of large size and majestic form, beautiful foliage. A rapid grower, producing a large, round nut of excellent quality.

**Persian Walnut (Maiden).** A handsome, lofty-growing tree of spreading habit, hardy and productive as far north as New York City. This tree should not be planted for the nuts alone, but as a shade and ornamental tree, its handsome form, deep green foliage, and clean appearance, rendering it strikingly handsome on a lawn.

**Persian Kaghazi Walnut.** A vigorous, free grower; very prolific, producing nuts in clusters, and comes to fruiting very young. The nut is larger than in the ordinary varieties; the kernel full, plump, meaty, sweeter, richer in oils and of finer flavor. The shell is thin but not tender, like some "paper shell" varieties, does not crack in handling.

Price of Walnut Trees, 3 to 4 feet high, 75c. each; doz., \$7.50; 4 to 5 feet high, \$1.00 each; doz., \$10.00.

**Hard Shell Almond.** A fine, hardy variety. The nuts have large, plump kernels, and the tree large, showy, ornamental blossoms. 4 to 5 feet. 75c. each; \$7.00 per doz.

**Butternut.** Tree of rapid growth, with large, luxuriant tropical-looking foliage; very ornamental, very productive; bears young. The nuts differ from American black Walnuts in being longer, with kernels of sweeter and more delicate flavor. 4 to 5 feet, 75c. each; \$7.50 per doz.



**PRUNING SHEARS, Etc.**

Our pruning shears are procured from the most reliable makers in America and Europe and all but 1401½ are fully guaranteed.



Wiss Pruning Shears

No.	Parcel Post Weight	Each
109 Wiss, 8 in.	2 lbs.	\$2.00
190 Henckel, 7½ in.	2 lbs.	1.25
200 " 8½ in.	2 lbs.	1.50
210 " 9½ in.	2 lbs.	1.75

The Henckel patterns are equipped with a ratchet nut which takes up all wear.

8½ in. Searight .....\$1.75



No.	Parcel Post Weight	Each
88 Hessenbruch, 8 in.	2 lbs.	\$1.10
1537 German, 8 in.	2 lbs.	.65
1401½ German, 6½ in.	2 lbs.	.40
23 Nickeled, 4½ in.	1 lb.	.80
23 " 5½ in.	1½ lbs.	.90
23 " 6½ in.	1½ lbs.	1.10
Perfection, 8-in.		2.00

**Spiral Springs** for any of the above Pruning Shears. 10c. each; per doz., \$1.10.

P. P. Weight, per doz., ½ lb.

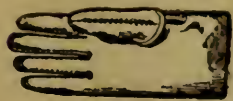
**FRENCH PRUNING SHEARS**

These have a distinct, very easy working, spring and are desirable for one whose hand is liable to fatigue when pruning.

No.	Weight	Each
No. 1542. 7 in.	2 lbs.	\$1.25
No. 1542. 8½ in.	2 lbs.	1.50
Springs for French Pruning Shear....		.25

**No. 23 LEVIN PRUNER**

The handle of this shear affords a great deal of leverage, which makes very easy cutting possible. Price, 75c. Weight, 2 lbs.

**LEATHER PRUNING GLOVES**

	Parcel Post Weight	Pair
Buckskin .....	1 lb.	\$2.00
Buckskin, with gauntlets.....	1 lb.	2.50

**FLY NUTS (Postage Free)**

For Hedge Shears, 30c. each.

The Fly Nut feature of a hedge shear enables the wear to be taken up instantly by merely tightening the same.

**TREE PRUNERS**

Disston's Little Giant Pole Pruner

Disston's Little Giant Pruner and Saw

Disston's Little Giant.....\$1.10  
Parcel Post Weight, 3½ lbs.

Disston's Little Giant. With saw attachment ..... 1.50  
Parcel Post Weight, 4 lbs.

The above prices are for Pruner without rope or pole.

**TELEGRAPH TREE PRUNER**

This has a removable blade which can be renewed when worn out for 25c. Price, plain as in cut, \$1.00.

Parcel Post Wt., 2 lbs.

**HESSENBRUCH TREE PRUNER**

No.	Price
5340 .....	\$1.00
1820 .....	2.00
1806 .....	1.75
1805 .....	.60

**WATERS TREE PRUNERS**

With removable cutting blade and pole complete.

4 feet.....	\$0.75
6 " .....	.85
8 " .....	1.00
10 " .....	1.15
12 " .....	1.25
14 " .....	1.50

Extra Blades for Waters Pruners, 25c. each.

None of the above Tree Pruners except the Waters are equipped with poles or rope. **POLES** for Tree Pruners.

12 feet long, 1¼ inches diameter.....	\$0.60
14 " 1½ " " .....	.80
16 " 1½ " " .....	1.00

Waters Pruners are not mailable.

**BASTIAN'S TREE PRUNER**

The most powerful device of its kind ever invented. With the greatest ease it will cut any limb that fits in its jaws, which are about 1½ inches wide. By reason of its design, the leverage does not in any way bend the pole, as it is a direct down stroke.

8 ft.....	\$1.50	12 ft.....	\$2.00
10 ft.....	1.75	14 ft.....	2.25

Extra blades for cutter, 15c. each.

**SEARIGHT TREE PRUNER****No. 3 (Not Mailable)**

Equipped with forged steel hook and blade. The lever handle is connected to the blade by a rod and the spring always throws the cutting part open to receive a limb. This is the very best tree pruner made, and is actually worth double the price asked for it.

8 ft.....	\$1.40	12 ft.....	\$1.75
10 ft.....	1.60	14 ft.....	2.00

**No. 4 COMPOUND LEVER TREE PRUNER WITH JOINTED POLE**

The compound lever construction gives great power. Limbs up to 1¼ inches in diameter may be cut off with ease. Blades forged from high grade crucible steel. Can be used as a 4, 8 or 12 foot pole by using the top section, handle section and one intermediate section. Price, complete, \$2.00.

**LOPPING SHEARS**

These are used in trimming trees and for cutting heavy hedge that the regular hedge shear will not cut.

Rockdale Style, Weight, 4 lbs.....\$1.00  
Clipper Style, Weight, 5 lbs..... 2.25  
Searight Style. Has a tremendous leverage, which means easy cutting; made of the finest American steel... 2.00  
Parcel Post Weight, 6 lbs.

No. 109. English, 4-in. cut (not mailable) ..... 3.50



Rhodes Lopper

**RHODES DOUBLE CUT LOPPING SHEAR**

For trimming trees, bushes, heavy shrubbery, etc.

Makes an absolutely clean, perfect cut, the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating Lopping Shears ever made or sold. Price, \$2.75.

Parcel Post Weight, 5 lbs.

**DISSTON PRUNING SAWS**

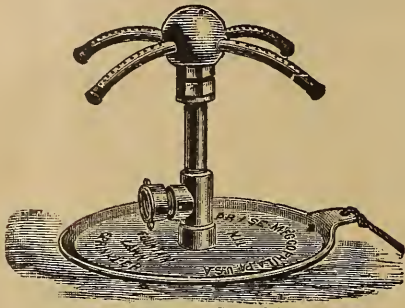
	Parcel Post Weight	Each
18 inch. Double edge.....	2 lbs.	\$0.85
20 " " .....	2 lbs.	1.15
16 " Single edge.....	2 lbs.	.70
18 " " .....	2 lbs.	.80
20 " " .....	2 lbs.	1.00
22 " " .....	2 lbs.	1.25

**CROSS CUT LUMBERING SAWS**

	Each
One Man. 3½ ft. (not mailable).....	\$2.00
Two Man. 5 ft. (not mailable).....	2.50



### LAWN SPRINKLERS

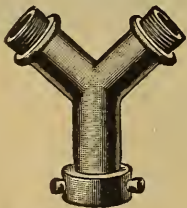


Enterprise Sprinkler

	Weight	Price
Enterprise. No. 1. 8".....	14 lbs.	\$3.75
" No. 2 8".....	14 lbs.	3.00
Ring or Fountain. Large.....	1 lb.	.75
Ring or Fountain. Small.....	3/4 lb.	.50
Hotchkiss. No. 5. 10 1/2" high.....	4 lbs.	1.00
Dayton Rotary Sprinkler. For golf links or large lawns.....		6.00
Pluvius. 11" high.....	3 1/4 lbs.	1.25
Universal. No. 65. 10" high.....	4 1/4 lbs.	1.50
Lawn Twin. Aluminum.....	1/2 lb.	.50
Elgin. 3 1/2" high.....	3 lbs.	.75
Eureka. No. 55. 10" high.....	3 lbs.	1.25
Aetna. 24" high.....	6 1/4 lbs.	1.75
Peck. 4 arm. 40" high (not mailable).....		3.50
Peck. 8 arm. 40" high (not mailable).....		4.00
Mayflower. 9 1/2" high.....	3 1/2 lbs.	1.00
Preston. 5 1/2" high.....	3 1/2 lbs.	1.25
Waterwitch. 8 3/4" high.....	1 lb.	.50
C. B. G. For golf links.....	3/4 lb.	.25
Pennsylvania Rainmaker. (Not mailable).....		20.00
Penna. Rainmaker, Jr.		\$10.00

Note.—All sprinklers, priced above, are a revolving type except the Ring, Lawn Twin and C. B. G. Add postage, if desired by mail, where weight is given.

### SIAMESE HOSE CONNECTION



This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specially adapted for lawn sprinkling. Price, 75c. each.

Parcel Post Weight, 1 lb.

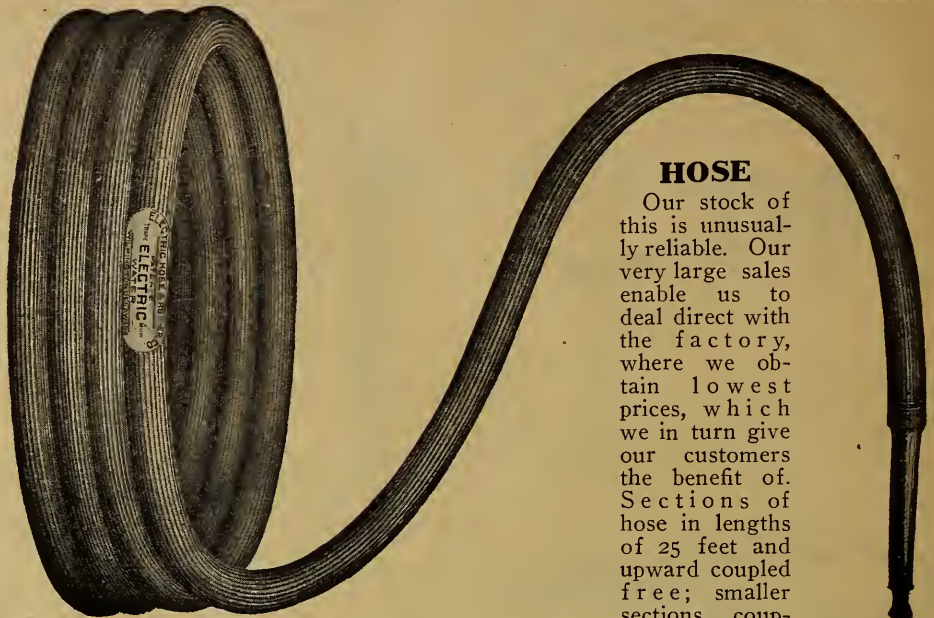


Caldwell Band as applied to Hose



### HOSE BANDS

No.	Capacity	Price
10.....	100 ft.....	\$2.75
20.....	150 ft.....	3.25
30.....	400 ft.....	5.00
<b>Victor Hose Reel</b>		
With black corrugated drum.		
Holds 100 ft. 3/4-in. hose. See cut, \$1.75.		
<b>Hanover Hose Reel</b>		
Capacity, 100 ft., \$3.25		
<b>For fastening couplings and menders.</b>		
No.	CALDWELL'S	Doz.
8—For 3-ply hose.....		\$0.18 100
6—For 4-ply hose.....		.18 1.00
P. Post Weight, doz., 1/4 lb.; 100, 2 1/4 lbs.		
<b>HUDSON'S</b>		
3/4-inch.....		\$0.18 100
1-inch.....		.20 1.25
P. Post Weight, doz., 1/4 lb.; 100, 2 1/4 lbs.		
<b>SURE GRIP</b>		
3/4-inch, 5c. each; per doz., 50c.		
P. Post Weight, doz., 1 lb.; 100, 9 1/2 lbs.		



### RUBBER HOSE

	Wt. per foot	Per foot
Standard, 3/4-inch.....	5 oz.	\$0.12
*Michell's Special, 3/4-inch.....	5 oz.	.15
*Michell's Special, 1/2-inch.....	4 oz.	.12
*Electric, 3/4-inch.....	5 oz.	.18 1/4
*Electric, 5/8-inch.....	5 oz.	.17
*Electric, 1/2-inch.....	4 oz.	.16 1/2
Flexible Metal in 25 and 50 ft. sections, 1/2-inch.....		.16
Flexible Metal in 25 and 50 ft. sections, 3/4-inch.....		.19
*Revero, 3/4-inch.....	5 oz.	.18
*Revero, 5/8-inch.....	5 oz.	16 1/2
*Revero, 1/2-inch.....	4 oz.	.16
Empire Red (corrugated), 3/4-inch.....	5 oz.	.17
Bull Dog, 3/4-inch, 7-ply.....	6 oz.	16 1/2
Spray Pump Hose, 3/8-inch.....	3 oz.	.12

P.S.—Brands marked \* come in reels of 500 feet and sections in any length to that number of feet may be had.

25 and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 20c. per pair for couplings.

Hose Washers. 8c. per doz.; 1/4 lb., 30c.

### HOSE REELS

#### Wirt's (All Iron)

No.	Capacity	Price
10.....	100 ft.....	\$2.75
20.....	150 ft.....	3.25
30.....	400 ft.....	5.00

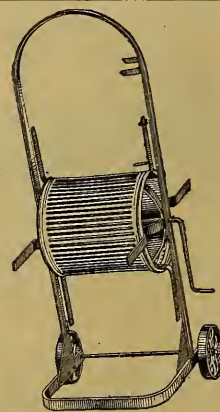
#### Victor Hose Reel

With black corrugated drum.

Holds 100 ft. 3/4-in. hose. See cut, \$1.75.

#### Hanover Hose Reel

Capacity, 100 ft., \$3.25



Parcel Post Weight, 8 ozs.

### NOZZLE HOLDERS

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 15c. each.

### HOSE

Our stock of this is unusually reliable. Our very large sales enable us to deal direct with the factory, where we obtain lowest prices, which we in turn give our customers the benefit of. Sections of hose in lengths of 25 feet and upward coupled free; smaller sections, couplings attached, 20c. per pair.

### HOSE MENDERS



	Parcel Post Wt.	Each	Doz.
Cooper's, 3/4.....	1 1/4 lbs.	\$0.10	\$1.00
" 5/8 and 1/2" each.....	1 lb.	.10	1.00
Republic (new), 3/4".....	15c.	per pair.	
Jones', 3/4" (iron).....	2 1/4 lbs.	.05	.50
Hudson's, 3/4" (brass).....	1/2 lb.	.04	.42
Hudson's, 1/2" (brass).....	.6 ozs.	.04	.42

### HOSE MENDING OUTFIT

(For 3/4-inch Hose)

Furnishes a complete outfit, consisting of 6 menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands. Price, 65c. each. P. Post Wt., 1 lb.

### HOSE BAND PLIERS

	Parcel Post Wt.	Each
Caldwell.....	10 ozs.	\$0.25
Hudson.....	9 ozs.	.25

### BRASS HOSE COUPLINGS

	Parcel Post Weight	Pair	Doz.
1/2 inch.....	3 1/4 lbs.	\$0.15	\$1.60
3/4 ".....	4 lbs.	.15	1.60
1 ".....	5 lbs.	.35	4.00

### SNAP HOSE COUPLINGS

Snap Couplings couple hose instantly, work on a spring, and are water-tight. 30c. pair; doz. pairs, \$3.25. (Washers, 20c. doz.)

Parcel Post Weight, per doz., 2 1/2 lbs.

### SNAP COUPLING PARTS

No. 2—Male. 12c. each; per doz., \$1.25.
No. 1—Female. 25c. each; per doz., \$2.75.
Parcel Post Weight, per doz., 1 1/4 lbs.

### ACME HOSE COUPLINGS

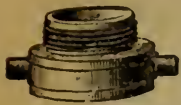
For quickly connecting and detaching hose.

No. 3 part, for attaching to spigot. 18c. each; doz., \$2.00. Weight, doz., 3 lbs.

No. 4 part, for attaching to hose. 30c. each; doz., \$3.50. Weight, doz., 3 lbs.

Couplings complete, consisting of one No. 3 and one No. 4 part, 47c. each; per doz., \$5.50. Weight, per doz., 6 lbs.



**HOSE REDUCERS**

For reducing 1-in.  
pipe to fit regular 3/4-  
in. hose. All brass.  
Each .....30c.

Parcel Post Weight, 1/2 lbs.

**HYDRANT ATTACHMENTS**

To be used  
for attaching  
hose to smooth  
faucets.



Royle Style (see cut) .....\$0.35  
Parcel Post Weight, 1/2 lb.

Boyd Style ..... .25  
Parcel Post Weight, 1/2 lb.

**WATER CANS (Wotherspoon's)**

Extra heavy with long spout.  
Will last for years.



Each Wother-  
spoon can comes  
equipped with two  
roses, one coarse  
and one fine.

2 quart (equipped with one Round Oval  
rose only) .....\$1.25  
Parcel Post Wt., 2 1/2 lbs.

4 "	.....	1.75	
6 "	.....	2.00	\$2.25
8 "	.....	2.25	2.60
10 "	.....	2.50	2.85
12 "	.....	2.85	3.10
16 "	.....	3.50	3.75
12 qt. Manure Watering Can	.....		3.00
4 qt. Fern or Low Watering Can	.....		1.65

The above Watering Pots (except as  
noted) cannot be mailed.

**EXTRA ROSES OR SPRAYS**

For Wotherspoon Watering Can, either  
coarse or fine. 40c. each.

Parcel Post Weight, 8 ozs.

**ENGLISH WATERING CANS**

Made of very heavy tin; carefully enam-  
eled inside and out; finished light green.  
English Watering Pots are not mailable.

No. 2, 4 qt. ....\$2.00 | No. 3, 6 qt. ....\$2.25  
No. 4, 8 qt. .... 2.50 | No. 5, 10 qt. .... 2.75

**GALVANIZED WATER CANS**

Fine for cemetery purposes and other  
places where a can is desired to last several  
seasons. (Not mailable.)

4 quart. ....\$0.45	10 quart. ....\$0.80
6 " ..... .60	12 " ..... .90
8 " ..... .70	16 " ..... 1.40

**LIGHT TIN WATER CANS**

1 quart, green .....\$0.30  
Parcel Post Weight, 1 lb.

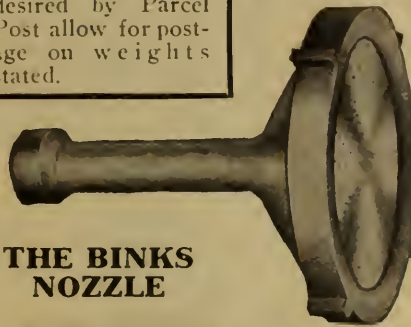
2 quart, green ..... .35  
Parcel Post Weight, 1 1/4 lbs.

4 quart, green ..... .40  
Parcel Post Weight, 1 1/2 lbs.

**RUBBER APRONS**

For protecting the clothing while water-  
ing or doing any work in the garden where  
your clothes could become soiled. Parcel  
Post Weight, 2 lbs. Price, \$1.75.

Note.—If goods are  
desired by Parcel  
Post allow for post-  
age on weights  
stated.



**THE BINKS  
NOZZLE**

Made of aluminum, with brass face,  
equipped with interchangeable sprays,  
coarse and fine. It makes watering possi-  
ble without wetting the hands. Positively  
the best and most indestructible nozzle  
made. \$2.50 each; worth twice the price.  
Parcel Post Weight, 1 1/4 lbs.

**BOSTON SPRAY NOZZLES**

These render the same  
service as does the rose  
of a watering can. They  
are screwed on the end  
of the hose like any  
other nozzle. Coarse  
and fine. Say which is  
wanted when ordering. 3/4-inch thread.

Light Copper .....\$0.60  
Parcel Post Weight, 1/2 lb.

Heavy Brass ..... 1.00  
Parcel Post Weight, 1 lb.

**OTHER HOSE NOZZLES (for 3/4" Hose)**

	Parcel Post Weight	
Plain Stream, 5 in. ....	4 ozs.	\$0.30
" " 6 in. ....	6 ozs.	.35
" " 7 in. ....	8 ozs.	.40
Boss. Brass ..... 1/2 lb.		.50
Gem. Brass ..... 1/2 lb.		.40



**LEWIS' SHEET BRASS SYRINGE**

Capacity about 1 quart, \$1.75.  
Parcel Post Weight, 2 1/2 lbs.

**BRASS SYRINGES**

Made of heavy sheet brass, which will  
last many years with a little care.

No.	Diam.	Length	Parcel Post Weight	
99H	1 1/2"	18"	1 3/4 lbs.	\$2.50
101A	1 1/4"	14"	2 lbs.	2.00
101C	1 1/2"	16"	2 1/4 lbs.	3.25
104	1 3/4"	18"	4 1/2 lbs.	5.50
107	1 3/4"	20"	(Adjustable) 5 lbs.	5.00

**SPRAYWELL RUBBER SPRINKLERS**

Either Straight Neck or Crook Neck.  
6-oz. capacity. Weight, 8 ozs. ....\$0.55  
8-oz. capacity. Weight, 1 lb. .... .85  
10-oz. capacity. Weight, 1 lb. .... 1.00

**LIQUID MANURE DISTRIBUTER**

This can be attached to hose with which  
you are watering and, connected with a  
barrel of liquid manure, the suction of  
water will draw a quantity of manure with  
it. All brass. Full directions for using in-  
cluded. Price, \$2.00 each. P.P.Wt., 2 lbs.

**EXTENSION LADDERS**

These are made in the best manner pos-  
sible, complete with rope and pulleys.

16 ft. ....\$4.80	26 ft. ....\$7.80
18 ft. .... 5.40	28 ft. .... 8.40
20 ft. .... 6.00	30 ft. .... 9.00
22 ft. .... 6.60	32 ft. .... 9.60
24 ft. .... 7.20	34 ft. .... 10.20

36 to 44 ft. size at 28c. per foot.

**SINGLE PLANK LADDERS**

Made of good hard wood, free from  
faulty knots; with perfect rounds.

10 ft. ....\$2.50	16 ft. ....\$4.00
12 ft. .... 3.00	18 ft. .... 4.50
14 ft. .... 3.50	20 ft. .... 5.00

Larger sizes up to 24 ft. at 25c. ft.

**No. 15 HUSKING  
PINS**

Made entirely of  
metal and can be  
adjusted to fit any  
sized hand. 15c.  
each; per doz.  
\$1.60. Parcel Post  
Weight, each 4 ozs.

Parcel Post Weight, per doz., 1 1/2 lbs.

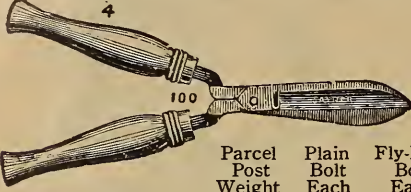
**CORN KNIFE**

Eureka, bent blade .....\$0.50  
Parcel Post Weight, 2 lbs.

**TREE SCRAPERS**

For removing loose bark from trees prior  
to spraying. Steel blade may be detached  
and sharpened. Price, short handled, 60c.  
Long handled, \$1.00. (Not mailable)



**ENGLISH HEDGE SHEARS**


	Parcel Post Weight	Plain Bolt Each	Fly-Nut Bolt Each
107—5½ inch	.....4 lbs.	\$1.00	
101—8 "	.....4 lbs.	1.50	\$2.00
101—9 "	.....5 lbs.	1.75	2.25
101—10 "	.....5 lbs.	2.00	2.50
101—12 "	.....6 lbs.	2.50	

Handles for Hedge Shears, 50c. per pair.

**SAYNOR HEDGE SHEARS**

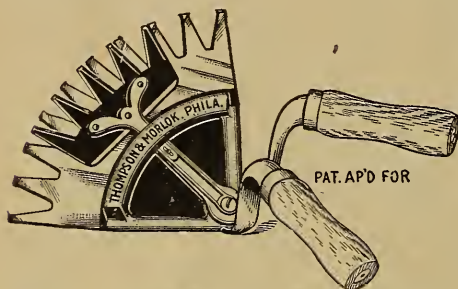
For very heavy hedges.

	Parcel Post Weight	
9 in. (fly nut)	.....4½ lbs.	\$2.75
10 in. (fly nut)	.....5 lbs.	3.00

**HEDGE SHEARS (Neverslip)**

These shears have a saw edge on one blade which prevents them from slipping when cutting, made of the best quality English steel.

Weight		Weight
8-in....4 lbs.	\$1.80	9-in....5 lbs. \$2.25
10-in....5 lbs.	2.50	

**UNIQUE HEDGE TRIMMER**

A practical tool for trimming the summer growth of hedge. It works like a charm and leaves the hedge in better shape than you could with any other shear and does the work in ¼ the time. Guaranteed satisfactory; cut 11-inch swath. Will not cut heavy wood. \$5.00. *P. Post Weight, 5 lbs.*

**BRUSH OR BRIAR HOOK**

Steel cutting blade, long handle.

Price (not mailable) .....\$0.65

**STEEL HEDGE KNIVES**

For cutting heavy brush, shrubbery, hedge, etc. Made of the finest steel with a slight hook on blade. Each, \$1.00. *Parcel Post Weight, 3 lbs.*

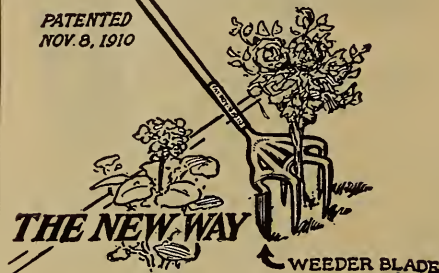
**ENGLISH BILL HOOKS**

For trimming heavy shrubbery, trees, etc.

	Weight	
No. 306. Short handle	.....4 lbs.	\$1.25
No. 156. Long handle	.....4 lbs.	2.00

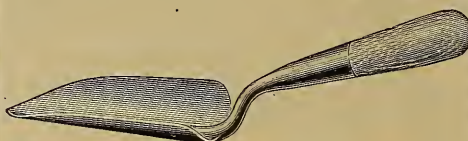
**MEHLER GARDENER**

An entirely distinct tool, avoids bending the back, works closer to the plant than any other device. No hoe is needed where this is used, just the thing for working among flower and vegetable plants. 75c. each. Not mailable.

**No. 211 JOHNSON STEEL TROWELS**

These are made of one piece steel blade and shank, equal to the imported trowels.

P. P. Weight		P. P. Weight
5 in...1 lb.	\$0.40	7 in...1 lb. \$0.60
6 in...1 lb.	.50	8 in...1 lb. .70

**D. S. T. STEEL SHANK TROWEL**

These are somewhat long in blade and handle, making a very practical tool. 6-in. blade. Will last a lifetime. 65c. each.

*Parcel Post Weight, 1½ lbs.***No. 217 CLEVES' ANGLE TROWEL**

For getting dandelion, plantain and other weeds out of the lawn and transplanting.

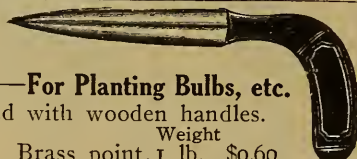
	Weight	Each
5 inch	.....1 lb.	\$0.15
6 inch	.....1 lb.	.20
7 inch	.....1 lb.	.25

**No. 1795 LONG HANDLED ENGLISH TROWEL**

Just the thing that prevents kinks in the back. 40c. each. *Parcel Post Weight, 2 lbs.*

**MISCELLANEOUS TROWELS**

	Weight	Each
No. 213—5 in.	.....½ lb.	\$0.10
No. 213—6 in.	.....½ lb.	.12
No. 5—6 in., heavy steel	.....1 lb.	.25

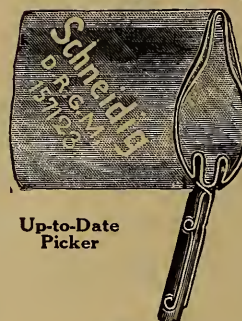
**DIBBLES—For Planting Bulbs, etc.**

Equipped with wooden handles.

	Weight	
No. 2180. Brass point	1 lb.	\$0.60
No. 218. Iron point	1 lb.	.40



The Boss Wire Fruit Picker



Up-to-Date Picker

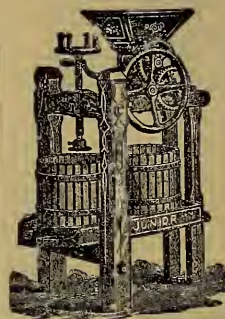


Crider Picker

**FRUIT PICKERS**

	Parcel Post Weight	Each
Boss	.....2 lbs.	\$0.35
Up-to-Date	.....2 lbs.	.15
Crider's	.....2 lbs.	.25

Poles for Fruit Pickers. 12 ft. long, 60c.

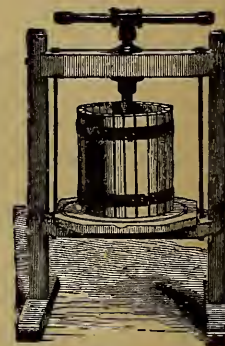


Cider Mill

**WINE PRESSES**

Made of best quality wood, carefully bolted and finished.

No. 1	.....\$4.00
No. 2	.....5.00
No. 2½	.....5.75
No. 3	.....6.25

**CIDER MILLS**

Junior	.....\$12.00
Medium	.....16.00
Senior	.....21.00
" for power	25.00
Little Boss	.....10.00
Gem No. 0.	8.00
" No. 1	10.00

**GRAPE GRINDER**

Suitable for crushing berries, grapes and similar soft fruit.

Price .....\$3.50

**SOD CRUSHER AND SOIL PULVERIZER**

These machines are equipped with a hopper, and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding the necessity to sift.

No. 1, \$16.00 | No. 2, \$21.00 | No. 3, \$31.00

**Our Garden Tool Department** we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality. See our General Catalogue for a complete list of Garden Tools and Sundries.



**"VELVETLAWN" SEEDER**

An excellent machine for properly sowing grass seed on old sod or established lawns or putting greens. It places it in the ground in close furrows, covers and rolls it at one operation. The result is an even, quick growth of grass. May be used for distributing fertilizers as well.

The hand machine has a capacity of about 1 bu.; sows an area of 16 in. wide.

**Hand Machine**, with press wheels...\$18.00

" " without press wheels. 15.00

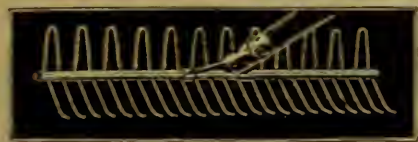
**Horse Machine**. Width 48 inches... 45.00

**PENNA. LAWN CLEANER**

Excellent for cleaning lawns. Will rake perfectly leaves, grass clippings, litter and other debris that gets strewn on lawn. The revolving rake is made of best quality wood with steel wire teeth and springs to allow the rake to pass over reasonable obstructions it might meet. 24-in. width Rake, \$16.00; 36-in. width, \$25.00.

**Phila. Horse Lawn Sweeper**.

40-inch width, \$80.00

**LAWN RAKES**

Ames

36X. Wood, wooden bow, 24 tooth...\$0.70

37X. Wood, steel bow, 24 tooth ..... .80

30X. Hard wood bow rake for hay and field use, 14 tooth ..... .55

**No. 205 Automatic (Wooden)**

22 tooth .....\$0.50 | 38 tooth .....\$0.90

26 tooth ..... .60 | 50 tooth ..... 1.35

**No. 210 Lawn King (Wooden)**

22 tooth .....\$0.30 | 38 tooth .....\$0.75

26 tooth ..... .50 | 50 tooth ..... 1.00

Ole Olsen (Wooden), 26 teeth.....\$0.50

Wire Lawn. 124R (see cut). 24 teeth .50

Wire Lawn. No. 364R. 36 teeth..... .75

Daisy No. 9, for removing dandelions, etc.

16 tooth .....\$3.00 | 20 tooth.....\$3.50

**SIEVES (Any Size Mesh)**

Made extra well, of galvanized wire.

	Parcel Post Weight	Each
20 inch. Heavy	.....6 lbs.	\$0.95
20 inch. Light	.....6 lbs.	.85
18 inch. "	.....6 lbs.	.75
16 inch. "	.....6 lbs.	.65

**KEYSTONE LEAF RACKS**

This new device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$5.00.

**METAL LEAF RACKS**

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck instantly.

**Leaf Rack** only, no truck ..... \$5.50

" with 1½-inch truck ..... 11.00

" with 2½-inch truck ..... 11.75

" with 3½-inch truck ..... 12.50

**MICHELL'S RUBBISH CONSUMERS**

Made of heavy galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

**Light Wire**

Size Diam. High Price

D, 21 in. x 31 in..\$2.50

C, 18 in. x 26 in.. 1.75

B, 15 in. x 22 in.. 1.50

A, 12 in. x 18 in.. 1.25

**Extra Heavy Construction**

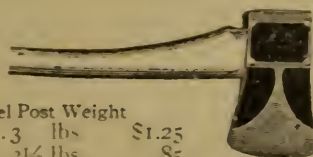
E, 20 in. x 30 in..\$8.00

F, 24 in. x 36 in.. 12.00

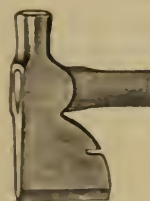
**WHEELBARROWS****For Farm and Garden and Greenhouse Use**

The measurements of barrows are understood, viz.: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.

No.	Tire	Length	Depth	Width	Price
Eastern..3	1½	28	11	22	\$3.75
" ..4	3	26½	11½	27	4.50
" ..5	3	28½	11¾	27	5.00
Boys ..2	2	21¾	0¾	20	3.00
Canal. Side dump (bolted).....					3.50
Special Greenhouse Style .....					5.50

**KELLY PERFECT AXES**

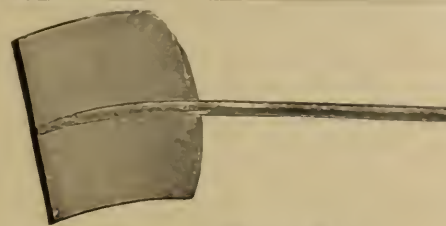
	Parcel Post Weight	
Medium .....	3 lbs.	\$1.25
Boys .....	2½ lbs.	.85

**HATCHETS**

Best steel, carefully tempered.

601. Heavy...1¾ lbs. \$0.75

F. R. Plumb make.

**SNOW SHOVELS**

No. 16. Adams, wood (see cut), wood-D handles .....\$0.60

No. 1. Phillips, wood, long handle... .50

Owosso No. 34, galvanized iron..... 1.00

**REDDICK'S POTATO SCOOP No. 200**

Wire, made of heavy steel wire; very substantial; will not cut or bruise potatoes. Price, \$1.75. (Not mailable.)

**ENGLISH GATHERING BASKET**

Very convenient for carrying berry boxes, asparagus and other vegetables; made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price 65c.

**OAK GARDEN BASKETS**

No. 2. Stiff Handle. Each Doz.

½ bu..\$0.50 \$5.50

No. 3. Drop Handle. Each Doz.

½ bu..\$0.50 \$5.50

No. 4 Without Handle.

Each Doz.

½ bu..\$0.45 \$4.75

1 bu... .75 8.00

**SPLINT OR CHIP BASKETS**

	With Handle	Without Handle
14 bu.....Per doz.,	\$0.65	\$0.60
12 bu....."	.70	.65
10 bu....."	1.20	1.00
1 bu.....	1.65	1.50





### CARRIAGE AND AUTOMOBILE HEATERS

These heaters will keep the temperature above freezing in most any ordinary closed

vehicle during the severest weather.

No. 5. Single drawer, 14 in. long..... Each \$2.25  
Parcel Post Weight, 5 lbs.

5B. Single drawer, 14 in. long, covered with Brussels carpet..... 2.75  
Parcel Post Weight, 6 lbs.

7B. 20 in., Brussels carpet..... 4.50  
Parcel Post Weight, 7 lbs.

10. Three drawers. (See cut.)..... 7.50

Coal for Auto Heaters. 75c. per doz. bricks; per 100, \$6.00.

Parcel Post Weight, per doz., 8 lbs.

Tongs for Handling Hot Coals. 25c.

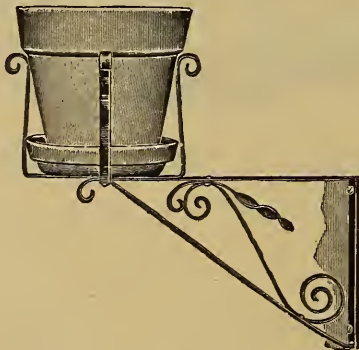
Parcel Post Weight, 1¼ lbs.

Illustrated circular on request.

### SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from sun and at the same time allowing ventilation.

	Yards per Piece	Per Yard	Per Piece
Light. Brown cloth ..	60	\$0.07	\$3.60
Medium. Brown cloth ..	60	.11	6.00
Heavy. Brown cloth..	40	.15	5.60



### JONES' POT BRACKET

No. 1—Holds 5-inch pot. Each, 30c.; \$3.00 per doz. Parcel Post Weight, each, 1 lb.

No. 2—Holds 6-inch pot. Each, 35c.; \$3.50 per doz. Parcel Post Weight, each 2 lbs.

No. 3—Holds 7-inch pot. Each, 40c.; \$4.00 per doz. Parcel Post Wt., each, 2½ lbs.

### BRONZED POT BRACKETS

No. 8310—Single, small, 30c. each; per doz., \$3.00. Parcel Post Weight, each, 1 lb.

No. 8320—Single, medium. 40c. each; per doz., \$4.00. Parcel Post Wt., each, 2 lbs.

No. 8340—Double, medium. 60c. each; per doz., \$6.00. Parcel Post Wt., 2 lbs.

### GRAFTING WAX

¼ lb., 10c.; 15c. ½ lb.; 1 lb., 25c.; \$1.10 per 5 lbs.



### WIRE FENCING

For putting around flower beds, etc. Any length desired up to 150 running ft. in one piece. Made of galvanized heavy wire.

16 in. Less than roll, 13c. ft.

16 in. 150 ft. rolls, 11c. ft.

22 in. Less than roll, 15c. ft.

22 in. 150 ft. rolls, 13c. ft.



### WIRE TREE GUARD

Carefully galvanized, 9 in. diam., \$1.00 each; doz., \$11.00; 12 in. diam., \$1.25 each; doz. \$13.00.



### No. 4 IRON TREE GUARD

12 in. diam., 6 ft. high. Price, \$2.50 each; per doz., \$27.50.

### OFFICIAL PHILADELPHIA TREE GUARD

Of round iron, 6 ft. high, 14 inches diameter, \$4.00 each.

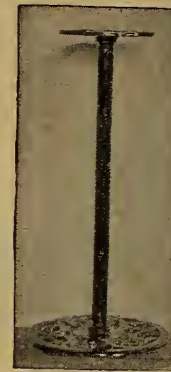
Tree guards cannot be mailed.



### WOOD FIBRE FLOWER VASES

No.	Diam.	Depth	Weight	Each	Doz.
0...8	in.	13	in.	4 lbs.	\$0.69 \$7.38
1...5½	"	10	"	2½ lbs.	.60 6.48
2...4½	"	9	"	1½ lbs.	.52 5.58
3...4	"	6	"	1½ lbs.	.43 4.68
4...3	"	4½	"	¾ lbs.	.35 3.78
00...9	"	21	"	6 lbs.	2.58 27.90
11...5	"	18	"	4 lbs.	.69 7.38
22...4½	"	15	"	2 lbs.	.60 6.48
33...4	"	12	"	2 lbs.	.52 5.58
44...3	"	9	"	1 lb.	.43 4.68

Add for Parcel Post if desired by mail.



### IRON PLANT STANDS STAR STYLE

Somewhat similar to the "Superior," excepting that they are not fitted with the tilting device, and are finished in black varnish.

Height	Each	Doz.
12 inches....	\$0.70	\$7.70
18 " ....	.80	8.80
24 " ....	.95	10.50
30 " ....	1.15	12.25
36 " ....	1.40	15.50
42 " ....	1.55	16.50

### SUPERIOR STYLE

Can be tilted to set your plants at any angle desired to produce the proper decorative effect. Enameled green.

Height	Size of Plates	Price Each	Per Doz.
12 inch .....	5 x 7	\$0.85	\$9.00
18 " .....	5 x 7	.95	10.00
18 " .....	8 x 10½	1.05	11.75
24 " .....	8 x 10½	1.15	13.00
24 " .....	8 x 12	1.25	14.25
30 " .....	8 x 10½	1.35	14.75
30 " .....	8 x 12	1.45	15.75
36 " .....	8 x 10½	1.55	15.75
36 " .....	8 x 12	1.65	16.75
42 " .....	8 x 10½	1.75	16.75
42 " .....	8 x 12	1.80	18.00
48 " .....	8 x 12	1.85	19.50
60 " .....	8 x 12	1.95	20.75
72 " .....	8 x 12	2.05	22.00

### EXTRA PLATES FOR IRON STANDS For Superior For Star Stands

	Each	Doz.	Each	Doz.
5 inch ....	\$0.30	\$3.30	\$0.25	\$2.85
7 " ....	.35	3.75	.40	4.40
8 " ....	.50	5.50		
10½ " ....	.55	6.00	.50	5.50
12 " ....	.65	7.00		

### WIRE PLANT STANDS

These are nicely painted dark green and finished in bronze. They are very substantial and will carry most any weight that can be placed on them. We especially recommend the Jones style, as it is collapsible and takes up very little space when not in use.



### PHILADELPHIA STYLE

#### Square Style Half Round Style

1 shelf .....	\$2.50	
2 " .....	3.25	\$3.25
3 " .....	4.25	4.25

### JONES' COLLAPSIBLE STYLE

(See cut.)

2 shelf .....	\$2.50	3 shelf .....	\$3.50
---------------	--------	---------------	--------

### ROOT CUTTERS

It is a well-known fact that Mangels, Carrots, etc., cut up in the form in which these machines leave them, are one of the great requisites for the poultry in Winter.

No. 7 Banner .....	\$5.00
No. 16 Banner .....	10.00
No. 20 Banner .....	8.00
No. 30 Banner .....	14.00
Ames Root Cutter .....	12.00

### GRAFTING TOOL

Made of best English steel, for grafting trees, etc. All steel (P. P. Weight, 6 ozs.), 60c. each.



## CEDAR TUBS

Equipped with Strong Iron Hoops

These are made by hand, of the very best white cedar painted green. They will be found very much superior to lower priced cedar tubs.



Cedar Plant Tub

No.	Outside Diam.	Length of stave outside	Black Iron Hoop	Galv. Hoop
No. 0....	27 in.	24 in.	\$5.50	\$6.00
No. 1....	25 " "	22 " "	5.00	5.50
No. 2....	23 " "	20 " "	4.50	4.90
No. 3....	21 " "	18 " "	4.00	4.40
No. 4....	19 1/2 " "	16 " "	3.00	3.35
No. 5....	18 " "	14 " "	2.75	3.10
No. 6....	16 1/2 " "	13 " "	2.25	2.55
No. 7....	15 " "	12 " "	2.00	2.30
No. 8....	12 " "	10 " "	1.75	1.95

Tubs cannot be sent Parcel Post.

## MICHELL'S KEYSTONE PLANT TUBS



Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 10c. per pair. Specify when wanted that way.

No.	Inside Diam.	Depth	Each
6.....	11 inches	10 inches	\$0.80
7.....	12 " "	11 " "	.95
8.....	13 " "	12 " "	1.05
9.....	14 " "	13 " "	1.15
10.....	15 " "	14 " "	1.35
11.....	16 " "	15 " "	1.50
12.....	17 " "	16 " "	1.75
13.....	18 " "	17 " "	1.90
14.....	19 " "	18 " "	2.25

Tubs cannot be sent by Parcel Post.

## ROLLING STANDS (Wood Fibre)



Ins.	Parcel Post Weight	Will fit Pot	Tub	Each	Doz.
12....	2 lbs.	10 in.	No. 8	\$0.65	\$6.02
14....	2 1/2 lbs.	12 " "	" 8	.75	8.10
16....	3 lbs.	14 " "	" 8	.90	9.72
18....	3 1/2 lbs.	16 " "	" 7-6	1.00	10.80
20.....			" 5	1.25	13.50
22.....			" 4	1.50	16.20

## FERN DISH LINERS

These cannot be sent by Parcel Post.

Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1 7/8 in.	\$0.07	\$0.80	\$5.60

## SEED PANS (Earthenware)



Seed Pan

These cannot be sent Parcel Post.

Inches	Each	Doz.
6....	\$0.50	\$6.00
8....	.67	7.64
10....	.84	8.04
12....	1.00	0.60



## WOOD FIBRE SAUCERS

Extremely desirable on account of being absolutely waterproof. Plants put on these can be stood on the finest covering or wood-work without damage.

Parcel Post Weight	Each	Doz.	100
5 inches.....	1/4 lb.	\$0.13	\$1.41
6 " "	1/4 lb.	.14	1.46
7 " "	1/2 lb.	.15	1.62
8 " "	1/2 lb.	.16	1.73
9 " "	3/4 lb.	.18	1.95
10 " "	3/4 lb.	.19	1.98
12 " "	1 1/4 lbs.	.22	2.38
14 " "	1 1/2 lbs.	.30	3.24
16 " "	2 lbs.	.50	5.40
18 " "	2 1/2 lbs.	.60	6.38
20 " "	4 lbs.	.90	9.72
22 " "	6 lbs.	1.10	11.88



## EARTHENWARE SAUCERS

These cannot be sent by Parcel Post.

Each	Doz.	100	1000
3 inches.....	\$0.02	\$0.17	\$1.12
4 " "	.02	.22	1.44
5 " "	.03	.25	1.80
6 " "	.03	.36	2.40
7 " "	.04	.46	3.20
8 " "	.06	.68	4.80
9 " "	.08	.78	5.20
10 " "	.10	.96	6.50
11 " "	.12	1.16	7.80
12 " "	.15	1.44	9.75
14 " "	.25	2.40	16.25



## HARD RUBBER SAUCERS

Absolutely Moisture Proof and Unbreakable

Each	Doz.	100
5 in.....	\$0.15	\$1.50
6 in.....	.16	1.70
7 in.....	.19	2.05
8 in.....	.23	2.45
9 in.....	.27	2.90
10 in.....	.40	4.05
11 in.....	.52	5.60
12 in.....	.58	6.25

## AZALEA POTS

These cannot be sent by Parcel Post.

Width	Height	Each	Doz.	100
5 in.	4 1/2 in.	\$0.04	\$0.48	\$3.20
6 " "	5 " "	.06	.72	4.80
7 " "	6 " "	.10	1.20	8.00
8 " "	7 " "	.14	1.60	11.20
9 " "	7 1/2 " "	.20	2.28	16.00
10 " "	8 " "	.27	3.08	21.60
10 " "	12 " "	.50	4.80	32.50

## EARTHEN FLOWER POTS

These cannot be sent by Parcel Post.



Height and Width Inside	Each	Doz.	100	1000
1 inch.....	\$0.01	\$0.10	\$0.72	\$5.40
1 3/4 inches.....	.01	.09	.50	4.20
2 " "	.01	.10	.64	4.80
2 1/4 " "	.01	.11	.72	5.40
2 1/2 " "	.02	.13	.88	6.60
3 " "	.02	.17	1.12	8.40
3 1/2 " "	.02	.20	1.36	10.20
4 " "	.03	.26	1.70	13.20
4 1/2 " "	.04	.36	2.40	18.00
5 " "	.05	.48	3.20	24.00
5 1/2 " "	.06	.60	4.00	30.00
6 " "	.07	.72	4.80	36.00
6 1/2 " "	.08	.91	6.40	48.00
7 " "	.10	1.14	8.00	60.00
8 " "	.14	1.60	11.20	84.00
9 " "	.20	1.92	13.00	120.00
10 " "	.27	2.60	17.55	162.00
11 " "	.36	3.46	23.40	216.00
12 " "	.50	4.80	32.50	300.00
14 " "	1.00	9.60	65.00	600.00

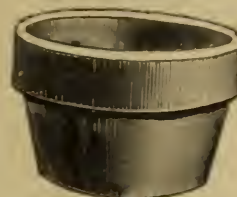
## PAPER FLOWER POTS

Ins.	Parcel Post per doz.	Weight per 100	Doz.	100	1000
2 1/4... 3 ozs.		2 lbs.	\$0.08	\$0.35	\$3.00
2 1/2... 3 ozs.		2 lbs.	.10	.40	3.25
3... 5 ozs.		2 lbs.	.12	.55	4.50
3 1/2... 7 ozs.		3 lbs.	.18	.70	6.00
4... 8 ozs.		4 lbs.	.20	.95	7.50
5... 15 ozs.		7 lbs.	.25	1.40	12.50
6... 2 lbs.		11 lbs.	.30	1.80	17.00

## EARTHEN BULB PANS

These are fine for planting, with bulbs, for ferns and other compact plants.

These cannot be sent by Parcel Post.



Diam. Inside	Each	Doz.	100
6 inches.....	\$0.06	\$0.72	\$4.80
7 " "	.08	.91	6.40
8 " "	.10	1.14	8.00
9 " "	.14	1.36	9.10
10 " "	.18	1.73	11.70
12 " "	.35	3.36	22.75
14 " "	.75	6.40	48.75
16 " "	1.30	12.48	84.50
18 " "	2.00	19.20	130.00

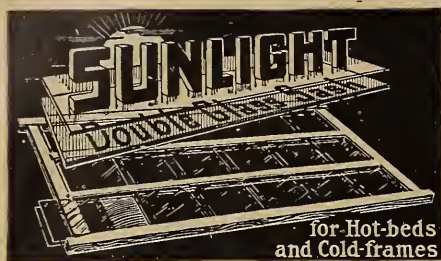


## EARTHEN FERN POTS

These cannot be sent by Parcel Post.

Width	Height	Each	Doz.	100
4 in.	1 7/8 in.	\$0.03	\$0.36	\$2.40
4 3/4 " "	2 1/8 " "	.04	.48	3.20
5 1/2 " "	2 1/4 " "	.05	.60	4.00
6 1/4 " "	2 1/2 " "	.06	.72	4.80
7 " "	2 3/4 " "	.07	.80	5.60
8 " "	3 1/8 " "	.10	1.08	8.00
9 " "	3 1/4 " "	.12	1.22	0.60





### SUNLIGHT SASH

These are made with a double glass facing, one on the bottom, another on the top. It is claimed by the manufacturer where these are used, hot bed mats are unnecessary. 3 ft. wide, 6 ft. long.

Plain, Unglazed and Unpainted .....\$2.25

Glazed and Painted..... 4.75

Packing Glazed Sunlights, 25c. each extra.

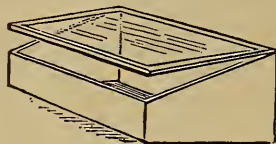
### HOTBED SASH

Made of best quality cypress. Size, 3 ft. 1½ in. wide, 6 ft. long.

Plain, not glazed or painted. \$2.00 each; \$16.50 doz. (Painting only 25c. each extra.)

Glazed, painted, puttied glass. \$4.50 each; \$50.00 doz.

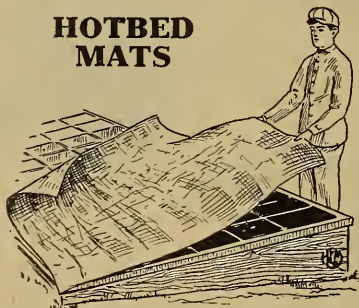
Packing charges on Glazed sash only 25c. each.



### MINIATURE HOTBEDS

Suitable for raising seedlings or for rooted cuttings. 12 x 20 in. \$1.50 each. Complete with glass.

### HOTBED MATS



### DRILL COVERED PADDED MATS

These are padded with shoddy and lined on both sides with heavy brown drill; they will shed water if not placed too flat; they are very warm and durable, while mice and rats seldom destroy them when stored. Stock sizes are as noted below, although any length of mat can be made, but the width is always uniform or 76 inches.

No. 1. 40 inches by 76 inches; \$1.60 each; doz., \$18.00.

No. 2. 76 inches by 76 inches, \$3.00 each; doz., \$35.00.

The above mats to order any length, 76 inches wide, at 50c. per running foot.

P. S. During the European complications it is impossible to supply the old style Burlap and Duck and Burlap Hot Bed Mats.

Straw Mats. 3 x 6 feet.....\$1.25 \$12.00  
" " 6 x 6 feet..... 2.00 20.00

Special size Straw and Drill covered Hot Bed Mats made to order.

### GLAZING POINTS

Peerless. Made of zinc with tinned finish, can be used on right or left hand side of sash bar. Three sizes.

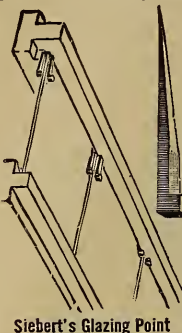
No. 1 for single thick glass.

No. 2 for single thick glass.

No. 2½ for double thick glass.

Price, 60c. per 1000. By mail, 10c. per 1000 extra.

Michell's Glazing Points. Nos. 1 and 2 and 2½. Quite like the Peerless style. 55c. per 1000. (By mail, 65c.)



Siebert's Glazing Point

Pincers. For driving Michell's and Peerless Points, 50c. By mail, 55c.

Siebert Style. Made with a prominent head; cannot rust; easily driven. 5-8, 6-8 and 7-8 inches long. Zinc, 55c. per lb.; 5 lbs., \$2.60.

1000 to 1200 in a lb.

Brass. 90c. lb.

Zinc Glazing Nails. 50c. per lb.; 5 lbs., \$2.40.



6-Wheel Glass Cutter

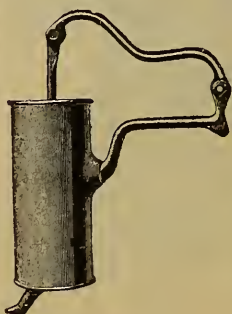
### GLASS CUTTERS

Single Wheel, steel, each .....\$0.15

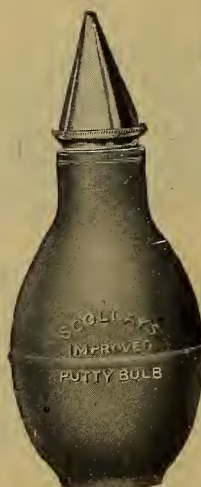
6-Wheel, steel, each ..... .35

Diamond (ebony handle) ..... 3.00

" (cocoa handle) ..... 4.00



Mastica Machine



Putty Distributor

### PUTTY DISTRIBUTOR

For distributing putty, mastica, etc.

Price, \$1.25. Parcel Post Weight, 1 lb.

### MASTICA

One gallon will cover about 300 running feet sash bar. Parcel Post Weight

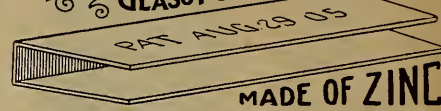
½ gallon ..... 8 lbs. \$0.85

1 " ..... 15 lbs. 1.50

### MASTICA MACHINE

For distributing mastica, etc. Made of heavy zinc. Price, \$1.50. P. P. Wt., 2 lbs.

### PEERLESS REPAIR CLAMP



MADE OF ZINC  
TO MEND CRACKED GLASS IMMEDIATELY AND PERMANENTLY  
For supporting broken lights of glass.  
Per box of 100. Weight, 1¼ lbs. ....\$1.10

### TWEMLOW'S PUTTY

Superior to putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.

#### PRICES

16-lb. can (1 gal.)...P. P. Wt., 18 lbs...\$1.75  
50 lbs. (3 gals.)..... 5.00  
80 lbs. (5 gals.)..... 8.50

### HAMMOND'S GREENHOUSE WHITE

A superior white paint. 1 gal., \$2.25.  
Paint cannot readily be mailed.

### FUMIGATORS

#### Perfection Make

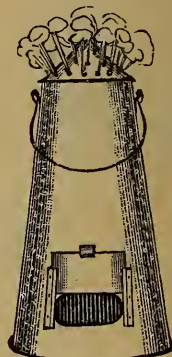
Fitted with a water tank to prevent burning out.

No. 1 for house 12x40 ft. \$3.00  
2 " " 15x100 ft. 3.50  
3 " " 20x100 ft. 4.00  
5 " " 20x150 ft. 5.50

#### Eureka Make

1 for house 10x20 ft. \$1.25  
2 " " 12x40 ft. 1.75  
3 " " 15x100 ft. 2.25  
4 " " 20x100 ft. 3.25

Fumigators cannot be mailed.



Eureka



### VAPORIZING LAMP

Practical and indestructible, all metal, burns kerosene, used for dispensing fumes of Nicotinic, Tobacine and other preparations of this sort. 50c. each.

Parcel Post Weight, ¾ lb.

### PERMANITE GLAZING CEMENT

Made of asbestos and a combination of gums, never hardens, and is practically indestructible. It can be used for glazing, either with a putty machine or a knife. Unexcelled for waterproofing gutters, packing shed roofs, tanks, sidings or coolers. Rain, snow, heat and cold have no effect on it, and it stops the leaks permanently.

10 lbs., \$1.60; \$3.25 for 25 lbs.; 150 lbs., \$16.00.

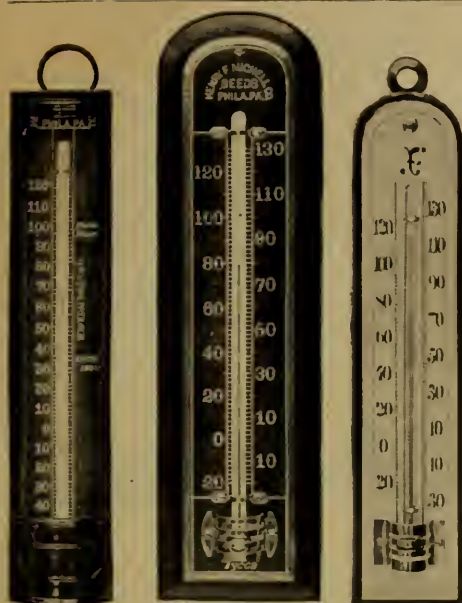
### CORK FOR ORCHIDS

In large clumps. 30c. per lb.; 10 lbs., \$2.50.

### ORCHID PEAT

For use in orchid pans and baskets. 30c. per peck; bu., \$1.00; bbl. bag, \$2.25.





### RELIABLE THERMOMETERS

No.	Size	Material	Each
5420B.	8-inch	Tin Case	\$0.50
5420B.	10-inch	Tin Case (see cut)	.65
5420B.	12-inch	Tin Case	1.00
5154.	8-inch	Copper Case	.85
5154.	10-inch	Copper Case	1.00
5100.	8-inch	Wood Back, Black Scale (see cut)	1.25
5100.	10-inch	Wood Back, Black Scale	1.50
5132.	8-inch	Wood Back, Porcelain Scale (see cut)	1.00
5132.	10-inch	Wood Back, Porcelain Scale	1.25

### STANDARD TIN CASE GRADE

5420W.	8-inch	\$0.30
5420W.	10-inch	.40

### REGISTERING THERMOMETERS

Record the coldest and the warmest point during previous night.

8-inch	\$2.75
10-inch	3.00

### HOTBED THERMOMETERS, ETC.

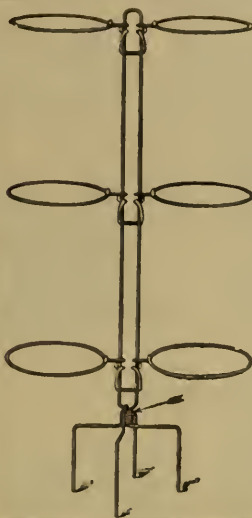
Galvanized Iron Point (can't rust)	\$1.00
Brass Point	1.50
No. 1 Electric Thermostat	6.00

### HOT WATER STOVE

An excellent make, efficient and economical in coal consumption. For heating hot beds, small greenhouses, conservatories, poultry houses and garages they are just the thing. They can easily be installed and connected by almost any handy man. Price quoted below is for the stove only.

No.	Capacity of in. Pipe	Radiation	Price
No. 0	150 ft.	50 sq. ft.	\$15.00
No. 1	200 "	75 "	10.00
No. 2	400 "	150 "	28.00
No. 4	600 "	300 "	35.00

Send for full descriptive list on these hot water stoves.



### MÜLLER'S DOUBLE SUPPORT

One of the best on the market, easily put together. After the rings are detached it folds flat, thereby requiring very little storage room when putting away.

Per doz., 75c.; \$4.50 per 100; per 1000, \$42.00.

### RICHMOND CARNATION SUPPORT

This is now the most popular support in existence; it can be put together in a minute, and is always satisfactory. 29 in. high.

No.	Size	Doz.	100	1000
No. 11.	3 ring double	\$0.75	\$5.00	\$45.00
No. 11.	3 ring single	.60	3.75	35.00

### "MODEL" CARNATION SUPPORTS

	Doz.	100	1000
2 Ring	\$0.60	\$3.75	\$35.00
3 Ring	.75	4.00	37.50

### CUT FLOWER BOXES HEAVY CORRUGATED PAPER

Size	Each	Per doz.
48 x 14 x 8 inch	\$0.50	\$5.25
42 x 14 x 8 "	.45	4.50
36 x 14 x 6 "	.35	3.50
24 x 8 x 5 "	.25	2.25

### LIGHT WEIGHT PAPER

Size	Doz.	100
14 x 5 x 3	\$0.40	\$2.70
20 x 4 x 3	.50	3.00
16 x 5 x 3	.50	3.00
18 x 5 x 3	.55	3.20
19 x 5 x 3 1/4	.60	3.60
18 x 7 1/2 x 3 1/2	.70	4.20
21 x 5 x 3 1/4	.70	4.20
23 x 5 x 3 1/2	.80	4.50
21 x 7 x 3 1/2	.80	4.50
21 x 8 x 4	.85	4.80
23 x 7 x 3 1/2	.85	4.80

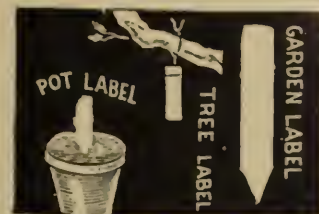
### HEAVY WEIGHT PAPER

Size	Doz.	100
23 x 12 x 4	\$1.25	\$7.80
28 x 8 x 5	1.25	7.80
30 x 9 x 4	1.25	7.80
36 x 8 x 5	1.55	9.90
23 x 12 x 5	1.55	9.90
30 x 9 x 6	1.70	10.50
30 x 12 x 6	1.85	13.20
30 x 14 x 8	3.00	19.80
36 x 12 x 6	3.00	19.80

We can also supply other sizes of boxes.

### PAPER FOR FLOWERS

	Lb.	5 lbs.	Ream
Manilla. For wrapping	\$0.10	\$0.45	\$1.60
" Tissue	.20	.90	1.50
Wax. White, 24 x 36 in.	.30	1.25	2.75
" Green, 24 x 36 in.	.35	1.50	3.00
White Tissue, 20 x 30 in.	.15	.70	1.25



### PAINTED POT LABELS

	P. P. W.	per 100	100	500	1000
4 inch	1/2 lb.	\$0.15	\$0.60	\$1.00	
4 1/2 "	1/2 lb.	.17	.65	1.10	
5 "	1/2 lb.	.20	.75	1.30	
6 "	3/4 lb.	.25	.85	1.60	
8 "	2 lbs.	.60	2.50	4.50	
10 "	2 1/2 lbs.	.75	3.25	6.00	
12 "	3 lbs.	.85	3.75	7.00	
18 "	for field use	3.50	32.50		

### WOOD TREE LABELS, ETC.

P. P. Weight on Tree Labels, 1/2 lb. per 100.

	100	1000
Iron Wired. Plain	\$0.18	\$1.10
" Painted	.20	1.35
Copper Wired. Plain	.20	1.35
" Painted	.25	1.60
Copper Sheet, wired	20c. doz.	100, \$1.25
Zinc Sheet, wired	20c. doz.	100, \$1.25
Indelible Marking Pencils	each	5c.

### SUNDRIES

Bulb Fibre.	30c. 1/2 peck; peck, 50c.; 85c. 1/2 bu.; bu., \$1.50.
Charcoal.	For use in potting. Pk., 25c.; bu., 75c.; bbl., \$1.50.
Carnation Bands (Rubber).	For mending calyx. 30c. per oz.; 1/4 lb., \$1.00.
Carnation Staples	for mending carnation calyx. 60c. per 1000.
Cocoonat Fibre.	10c. qt.; 4 qts., 25c.; 40c. pk.; bu., \$1.00; 5 bu., \$3.75.
Daylite Glass Cleaner.	For cleaning greenhouse, conservatory and hot bed sash glass. \$1.50 per gal.; 5 gals., \$6.25.
Grafting Wax.	1/4 lb., 10c.; 1/2 lb., 15c.; 25c. lb.; 5 lbs., \$1.10.
Moss, Green Lump.	Pk., 35c.; bu., 75c.; bbl. bag, \$1.75.
Green Sheet.	Per bundle, 65c.; \$2.50 per bale of 5 bundles.
Sphagnum (dry).	Pk., 20c.; bu., 50c.; barrel size bales, \$1.00; 5 bbl. bales, \$2.75.
Sphagnum (live).	Pk., 25c.; bu., 85c.; bbl., \$2.00.
Pebbles.	Per qt., 5c.; pk., 35c.; bu., \$1.25; bbl., \$3.00.
Peat or Leaf Mould.	Five barrels, \$7.50; pk., 25c.; bu., 75c.; bbl., \$1.75.
Peat, Orchid.	Per barrel bag, \$2.25; pk., 30c.; bu., \$1.00.
Sand for propagating.	Per qt., 5c.; pk., 25c.; bu., 75c.; bbl., \$2.00.
Shadeline.	For shading greenhouse glass. 5 lbs., \$1.25; 10 lbs., \$1.75.
Soil.	For potting. Qt., 5c.; 1/2 pk., 15c.; pk., 25c.; bu., 75c.; bbl., \$2.00.
Styptic.	Thomson's for pruning. \$1.00 per bottle.
Tin Foil.	18c. per lb.; 80c. per 5 lbs.
Toothpicks.	Plain, box, 7c.; 35c. for 6 boxes.
Toothpicks.	Wired, 1000, 25c.; 10,000, \$2.00.
Toothpicks.	6-inch, wired, green. Per 375, 25c.; \$1.50 per 3000.
Violet and Green Foil.	40c. lb.
Weed Killer.	Herbicide. 50c. qt.; 1/2 gal., 80c.; \$1.50 per gal.; 2 gals., \$2.75.
Weed Killer (Michell's).	45c. per qt.; 1/2 gal., 65c.; \$1.15 per gal.; 5 gals., \$5.00; \$9.50 for 10 gals.; 25 gals., \$20.00.
Zementine.	For whitewashing and shading. 2 lbs., 15c.; 10 lbs., 70c.



## GREEN TAPERING STAKES

## ROSE OR DAHLIA STAKES

## SQUARE PLANT STAKES

## WOOD DOWEL STAKES

### CANE STAKES (Natural)

## JAPANESE GREEN CANE STAKES

## BAMBOO POLES

## HYACINTH STAKES

## GALVANIZED WIRE STAKES

### No. 8 Wire, Heavy



## Everlasting Stake Fastener

### Blake Lock Clip

## STAKE FASTENERS

These take the place of string entirely, lasting several seasons, used for fastening cross wires to galvanized stakes.

## WIRE IN STONES

## TINNED WIRE

## CUT BOUQUET WIRE

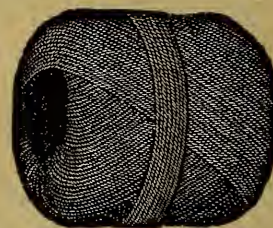
## RAFFIA

**Colored.** In all shades. Send for samples of color. 25c. per  $\frac{1}{4}$  lb.;  $\frac{1}{2}$  lb., 45c.; 85c. per lb. Allow for postage if Raffia is wanted by Parcel Post.

## RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong; it is about  $\frac{1}{8}$  inch wide and is put up in 250 yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. *Parcel Post Weight, per bolt,  $\frac{1}{2}$  lb.*

Per bolt of 250 yards, 75c.; 6 bolts, \$4.25;  
12 bolts, \$8.00.



## TWINES, ETC.

	Ball	lb.
No. 12, Light Italian Twine....	\$0.22	\$0.40
No. 18, Medium Italian Twine..	.22	.40
No. 24, Heavy Italian Twine....	.22	.40
No. 36, Heavy Italian Twine....	.22	.35
2 ply, 3 ply and 5 ply jute.....	.12	.24
Linen Bouquet .....	.10	.60
Boston Linen, 2 and 3 ply.....	.20	.35
Green Sea Island .....	.10	.45
Special Thin White Cotton....	.08	.30
2 ply Texas White Cotton.....	.10	.35
Tarred, for Mat Making.....	.22	
Tarred Sisal for Fodder.....		.12
Binder (5-lb. ball) .....	.75	
Express, very heavy .....	.25	
<b>Green Silkaline.</b> For stringing Smilax and Asparagus, etc. F, fine; FF, medium; FFF, coarse.		
Price, per spool, 25c.		
Price, per lb. (8 spools).....\$1.75		
<b>Green Linen</b> (substitute for Silkaline). very similar to the above, fast color.		
Price, 20c. per ball; 85c. per lb.		



# MICHELL'S RELIABLE SPRAYING APPARATUS 105

## THE AUTO SPRAY



Auto Spray showing Auto Pop Attachment

Now used by all the large fruit growers. It operates with compressed air; safe and efficient; liquid capacity, 4 gallons; pressure capacity, 40 lbs.

No. 1-A Brass equipped with hose and regular nozzle, \$7.25.

No. 1-B Brass equipped with hose and Auto-Pop Attachment, \$7.75.

No. 1-C Galvanized Iron equipped with hose and regular nozzle, \$5.00.

1-D Galvanized Iron equipped with hose and Auto-Pop, \$5.50.

Auto Pop Nozzle Attachment controls the flow instantly by a pressure of the hand. Purchased separately, \$1.50 each.

## No. 22 BINK'S COMPRESSED AIR SPRAYER

Galvanized steel tank, 5 gal. cap. Brass pump with a patent clamping device, equipped with 3 feet of hose, spray nozzle, shut-off cock and shoulder strap. P. P. Weight, 15 lbs. Price, \$6.25.



No. 3 Paragon Sprayer

## THE PARAGON SPRAYER

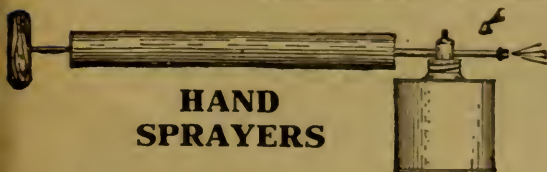
Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir; although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or cold water paint.

No. 0—A 3-gal. reservoir, 5 ft. of hose, nozzle and extension pipes. Price, \$9.00.

No. 1—With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$11.50.

No. 3—Equipped with a 12-gal. tank mounted on a truck, three 2½-ft. extension pipes, 2 nozzles and 10 ft. of hose, \$17.00.

No. 4—Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles. 25 gal. reservoir, \$25.00.



## HAND SPRAYERS

Automatic Compressed Air. (See cut) .. \$1.00  
Cyclone. (Small, tin only, 35c.) .50

Tin \$1.00  
Brass 2.00  
1.00

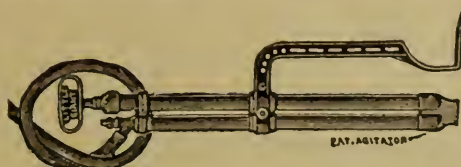
## DEMING BUCKET PUMPS



These are made entirely of brass except the foot rest, bucket fastener and hand grip. Prices do not include bucket, but include nozzle and 3½ feet of ¾-in. hose.

Success (without bucket fastener), \$4.25.

Perfect Success (with bucket fastener), \$5.00.



## MYER'S BUCKET PUMP

This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, \$3.25.

## SIMPLEX BARREL PUMP

(Deming No. 550)



Equipped with an automatic agitator. Will throw a stream forty feet. Plain Pump, no hose, nozzle or barrel, \$7.50.

Outfit A—Pump, with 12½ ft. ½-in. hose, fitted with a Bordeaux or Vermorel nozzle and pole connection for reaching into trees, no barrel. \$10.65.

Outfit B—Pump, with two 12½-ft. sections of ½-in. hose, two Bordeaux or Vermorel nozzles, pole connection, no barrel. Price, \$13.80.

## DEMING CENTURY PUMP

A very powerful pump; working parts are entirely of brass; has large air chamber; also a perfect agitator.

Price for pump, no barrel or hose, \$10.50.

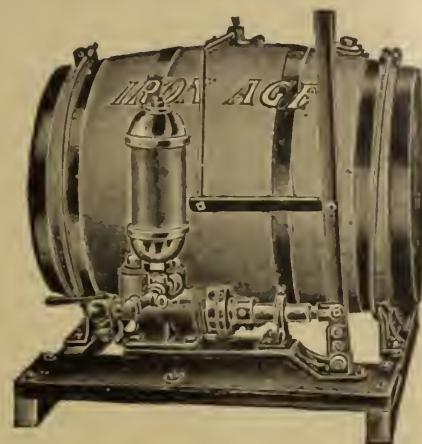
Price, complete, with 12½-ft. ½-in. hose and nozzle, no barrel, \$13.65. Price, with two 12½-ft. leads, hose and nozzles, no barrel, \$16.80.

Barrels, with cut head, \$3.75.

## SPRAY NOZZLES (¾ in. Thread)

Bordeaux and Vermorel.....	each, \$0.75
Mistry, Jr. ....	.90
Winkle Mist .....	.75
Paragon style .....	.35
Duplex Vermorel (2 nozzles).....	1.50
Triple Vermorel (3 nozzles).....	2.25
Quadruple Vermorel (4 nozzles).....	2.50
Duplex Mistry (2 nozzles) .....	3.00

For ¾-in. connections add 25c.



## IRON AGE SPRAYER No. 1901

Equipped with a 50-gal. barrel, large air chamber pump with a pressure capacity of 125 lbs., automatic agitator, brass bronze ball valves, woven hemp packing, which is easily replaced. All working parts of the pump are outside, can be gotten at easily.

Price, no hose or nozzle, \$20.00; with 15 ft. ½-in. hose, 1 nozzle, \$23.00; equipped with 2 15-ft. lengths of ½-in. hose, 2 nozzles, \$26.75.

## IRON AGE SPRAYER No. 197

A perfect outfit for gardens, small farms, poultry plants, etc.; capacity, 20 gals. Pump all brass with a 6-inch stroke, large air chamber with a 100-lb. pressure capacity; bronze brass ball valves of easy access. Equipped with a perfect agitator, 4 feet of extension rod with hand grip and 4 feet of ½-in. hose, stop cock and nozzle. \$16.50.

## OTHER IRON AGE SPRAYERS

194. Without barrel hose or nozzle, \$10.00. Price, with 15 ft. ½-in. hose, nozzle, no barrel, \$14.50. Price, with barrel, 15 ft. ½-in. hose and nozzle, \$18.25.

194T. A 2½-in. iron tire wheel-truck, barrel and pump, without hose or nozzle, \$22.75, or \$26.25 with 15 ft. hose and nozzle, all complete.

195. Bucket equipment, like 197. Equipped with a 2-ft. extension rod, a Vermorel nozzle and 4 ft. ½-in. hose. Price, \$8.00.

## EXTENSION PIPES, ETC.

For reaching into trees, ¾-inch threads.

Bamboo, with brass tube, 8 ft.....	\$2.50
" " " " 10 ft.....	3.00
Galv. Iron, 2 ft., for Auto Sprays....	.30
Brass, 2 ft., for Auto Sprays.....	.50
Pet Cock, for extension pipes.....	.50

Iron Age. Fig. 419—Steel pipe 10 ft. long, with an angle connection, stop cock, 2 hand grips and drip guard, for ½-in. thread. Price, \$2.90.

Iron Age. Fig. 420—Bamboo casing, brass pipe inside; otherwise like Fig. 419. \$4.00.

Paragon Extensions, 2½ ft. 30c. each.

Copper Strainers for pouring solution through into pump reservoirs, \$1.00 each.



# 106 **Michell's Insect and Vermin Destroying Preparations**

**Ant Exterminator (Magic).** A powder that is used for distributing around buildings, on the greenhouse benches, on lawns, gardens, and any other places infested by ants. Per ¼ lb., 20c.; per ½ lb., 40c.; 75c. per lb.; 5 lbs., \$3.00.

**Ant Exterminator (Conellans).** In liquid form, designed especially for use on lawns, tennis courts and putting greens; positively effectual. Apply with special squirt gun. 1 gal., \$1.25; \$6.00 for 5 gals. *Special Squirt Gun* for applying, \$1.25 each; (by Parcel Post, \$1.35).

**Anti-Pest (Carmen's).** For destroying red spider, scale and green fly. 50c. qt.; ½ gal., 75c.; \$1.40 per gal.; 5 gals., \$5.75.

**Aphine.** For destroying aphids, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. ¼ pt., 25c.; 40c. per ½ pt.; pt., 65c.; \$1.00 per qt.; per gal., \$2.50.

**Aphis Punk.** A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphis, thrip, white and green fly, also red spider. (For use in greenhouses only.) Per pkg., 60c.; \$6.50 per 12 pkgs.

**Arsenate of Lead.** For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds, especially valuable for spraying to prevent the codling moth. It comes in paste form and dilutes 1 lb. to 25 gals. water. Per lb., 25c.; 90c. per 5 lbs.; per 10 lbs., \$1.65; \$3.25 per 25 lbs.; \$6.00 per 50 lbs.; per 100 lbs., \$11.00.

**Arsenate of Lead (Powdered).** 1 lb. dilutes to 50 gals. of water. 35c. per lb.; 5 lbs., \$1.50; \$2.75 per 10 lbs.; 25 lbs., \$6.00; \$10.50 per 50 lbs.; 100 lbs., \$20.00.

**Black Leaf 40.** A concentrated solution of nicotine Sulphate, an excellent spray for black aphis and sucking insects of all kinds; dilutes 1 part to 900 or 1000 parts of water, according to treatment. Full directions on each package. 1 oz., 25c.; ½ lb., 75c.; \$2.50 per 2 lbs.; 10 lbs., \$10.75.

**Bordeaux-Arsenate.** This is a combination of Arsenate of Lead and Bordeaux Mixture, in nature like Pyrox. Its use combines an application of Fungicide and Insecticide at one time. A pound dissolves with 5 gallons of water. It sticks to the foliage and will not wash off for a long period. 1 lb., 25c.; \$1.00 per 5 lbs.; 10 lbs., \$1.75; \$4.00 per 25 lbs.; 50 lbs., \$7.50; \$13.00 per 100 lbs.

**Bordeaux Mixture.** Used principally for mildew, blight and fungous diseases that affect potatoes and fruit trees. *Paste Form:* 1 qt., 50c.; \$1.35 per gal.; 5 gals., \$5.50. One gallon makes 50 gallons material. *Dry Form:* 1 lb., 30c.; 5 lb. pkg. (makes 30 gals.), \$1.00; \$1.75 per 10-lb. pkg. (makes 50 gals.).

**Boro-Wax.** For painting trees to destroy and keep away borers. 35c. per qt.; ½ gal., 60c.; per gal., \$1.00; \$5.00 for 6 gallons.

**Bug Death.** Largely used instead of Paris Green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb., 15c.; 40c. per 3 lbs.; 5 lbs., 60c.; per 12½ lbs., \$1.10; \$7.50 per 100 lbs. (Special Shaker for Bug Death, 25c.)

**Cal-Arsenate (Powdered).** This is also termed Arsenate of Lime, supposed to be an improvement on the powdered forms of Arsenate of Lead; is used for the same purposes as the latter, but is claimed to be 50 per cent. stronger. Dilutes 1 to 1½ lbs. to 50 gals. water, or can be used dry. 1 lb., 30c.; \$1.25 for 5 lbs.; 10 lbs., \$2.25; \$4.25 for 25 lbs.

**Copper Solution.** Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., 60c.; \$1.75 per gallon.

**Cut Worm Destroyer (Reade's).** For killing cut worms, grubs and maggots that work in the soil. 1 lb., 25c.; 5 lbs., 80c.; 10 lbs., \$1.25; \$2.50 for 25 lbs.; 100 lbs., \$7.50.

**Sodium Cyanide (Fused).** For fumigating. 30c. ¼ lb.; lb., 90c.

**Dalmatian or Persian Powder.** For ridding buildings of all kinds of insect pests; particularly for the smaller and creeping kinds. 20c. per ¼ lb.; ½ lb., 35c.; 1 lb., 60c.; \$2.75 per 5 lbs.

**Death to Lice (Lambert's).** For plant lice, adhesive to foliage. 5 oz., 10c.; 25c. for 15 oz.

**Fir Tree Oil Soap.** This is very much like the Fir Tree Oil, except that it is in the shape of soft soap, and many prefer to use it in that way. It is dissolved according to directions in warm or hot water and used as a spray or wash. Per ½ lb., 25c.; 75c. per 2-lb. can.

**Fish Oil Soap.** For mild forms of Scale, and is an excellent summer spray, when something stronger cannot be used, where the San Jose Scale exists. It is nice for washing off Lemon trees, Oleanders, and almost anything that would be infested with a soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per ½ lb., 10c.; 20c. per lb.; per 5 lbs., 60c.; \$1.10 per 10 lbs.; per 25 lbs., \$2.75; \$9.00 per 100 lbs.

**Fish Oil Soap (Good's Caustic).** Used extensively as a tree spray and as a summer remedy for San Jose Scale, it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. 25c. per 1-lb. can; 5-lb. can, \$1.10; \$4.25 per 25-lb. can. Barrel lots of about 425 lbs., at 10c. lb.

**Fungine.** An excellent remedy for fungous diseases of all kinds. \$1.00 per qt.; per gal., \$3.50.

**Getz There Soap.** Ideal for washing palms and spraying in place of Whale Oil Soap. 2 lbs., 40c.; \$1.00 for 8 lbs.; 25 lbs., \$2.50.

**Grape Dust.** A powder preparation used for mildew, aphis, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., 45c.; 80c. per 10 lbs.; per 25 lbs., \$1.90; \$6.75 per 100 lbs.

**Hellebore.** The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. ¼ lb., 20c.; 35c. per ½ lb.; per lb., 60c.; 5 lbs., \$3.00.

**I X L Compound.** English preparation for spraying; harmless to very delicate plants. Kills mealy bug, red spider and all insect pests. \$3.50 per gallon.

**Hydrocyanic-Acid Gas (Fumigation with Sodium Cyanide Fused) (Poison).** Put four ounces of water in a galvanized iron pail, add to this 2 oz. of Sulphuric Acid, wrap an ounce of Sodium Cyanide in paper and place it in the bucket, which should be placed near the door of the greenhouse to afford quick exit. The above charge is sufficient for 1000 cubic feet of space. Don't open the greenhouse for at least 12 hours. One of the ventilating sash should be arranged so it can be opened from the outside to allow the fumes to escape entirely before entering. This is claimed to be the best remedy to absolutely kill the white fly. **Sodium Cyanide Fused (Poison),** 30c. per ¼ lb.; ½ lb., 50c.; 90c. per lb. **Sulphuric Acid,** we do not supply, we advise to obtain same locally.

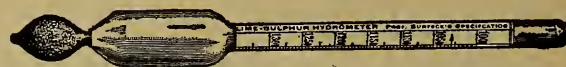
**Kerosene Emulsion (Liquid).** Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Dilutes 1 part to 20 parts of water. Per pt., 20c.; qt., 35c.; \$1.00 gal.; 5 gals., \$4.50; \$8.00 for 10 gals.

**Kil-o-Scale.** Destroys and prevents the spread of scale insects of all kinds. Its chief use is the destruction of the San Jose Scale, which prevails in all parts of this country. It is diluted, one part Kil-o-Scale to twenty parts water. Per pt., 30c.; 50c. per qt.; per ½ gal., 75c.; per gal., \$1.25; \$5.00 per 5 gals.; per 25 gals., \$21.25; per 50 gals., \$42.50.

**Lemon Oil Co's Insecticide.** The best and cheapest insecticide in the market. Used by nearly all the leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Half pt., 25c.; pt., 40c.; qt., 75c.; half gal., \$1.25; gal., \$2.00; 5-gal. kegs, \$9.00; 10-gal. kegs, \$17.50.

**Lime Sulphur.** For destroying San Jose Scale. This is a concentrated form which is diluted 1 gal. to 12 or 15 gals. water, either hot or cold. May be used as a summer or winter spray, excellent to use as a fungicide. 25c. qt.; ½ gal., 45c.; 75c. gal.; 5 gals., \$2.25; \$3.75 for 10 gals.; 25 gals., \$6.00; \$9.00 per 50 gals.

**Lime Sulphur (Modoc Brand. Dry Powder Form).** Powdered Lime Sulphur is becoming very popular on account of the small expense for shipping. It is instantly soluble in either cold or hot water, dilute 1 lb. to 6 gals. of water; does not separate, keeps indefinitely. Lb., 25c.; \$1.00 for 5 lbs.; 10 lbs., \$1.50; \$3.00 for 25 lbs.; 50 lbs., \$4.50; \$6.50 per 100 lbs.



**CARBONDALE HYDROMETERS**

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution; one should be in the hands of every man who uses this material. Price, \$1.00. (Postpaid, \$1.10.) With directions.



# Michell's Insect and Vermin Destroying Preparations <sup>107</sup>

**Nicoticide.** Used as a spray or as a vapor, principally in the latter way, it is placed in a tin saucer with lamp underneath, and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphid, white fly, and red spider, etc. 1 oz. bottles, 25c. each; 2 oz. bottles, 50c. each; per  $\frac{1}{4}$  pt., 70c.; per  $\frac{1}{2}$  pt., \$1.25; per pt., \$2.50; per qt., \$4.50; \$8.25 per  $\frac{1}{2}$  gal.; 1 gal., \$15.00. (Lamps for Nicoticide, 50c. each.)

**Nicotinana.** A nicotine solution for spraying and vaporizing. \$1.50 per qt.; per gal., \$4.50.

**Nicotine Cones** (*See Vapor Cones*).

**Nico-Fume (Liquid).** This is used in very much the same way as Nicoticide. Per  $\frac{1}{4}$  lb. (about  $\frac{1}{4}$  pt.), 50c.; \$1.50 per lb. (about 1 pt.); 4 lbs. (about  $\frac{1}{2}$  gal.), \$5.50; \$10.50, 8 lbs.

**Nico-Fume.** This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. Preferred by many who do not wish to spray or vaporize. Per box, 24 sheets, 85c.; per 144 sheets, \$4.00; per 288 sheets, \$7.50.

**Nikoteen.** One of the very best forms of tobacco or nicotine preparations, usually diluted in water, makes a most satisfactory spray as well as vapor, excellent for pea lice in the garden.  $\frac{1}{2}$  oz., 15c.; 40c. for 1 $\frac{3}{4}$  oz.; 8 oz., 85c.; \$1.50 per pt.; gal., \$10.00.

**Paris Green.** The chief merit of this article is the destruction of the potato bug. It may be used in liquid form, 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound Paris Green to 100 pounds Land Plaster. 20c. per  $\frac{1}{4}$  lb.; per  $\frac{1}{2}$  lb., 35c.; 65c. per lb.; \$2.75 per 5 lbs.; per 14 lbs., \$7.00.

**Pyrox (Bowker's).** A pasty substance used for all leaf-biting insects. It is really a Bordeaux and Arsenate of Lead combined and is excellent. Dilute 1 lb. to 5 gals. water. 25c. per lb.; 5 lbs., \$1.00; \$1.75 per 10 lbs.; 25 lbs., \$4.00; 50 lbs., \$7.50; \$13.50 per 100 lbs.; 300 lbs., \$38.00; \$60.00 per 500 lbs.

**Rat Corn.** For destroying rats and mice in greenhouses, hotbeds, etc. 15c., 25c., 50c. and \$1.00 per box.

**Rax.** Destroys rats and mice without injury to other animals; it mummifies them. 50c. per bottle.

**Readeana Rose Bug Exterminator.** Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. 4-oz. bottle, 25c.; 8-oz. bottle, 50c.; \$1.00 per 24-oz. can; per gal., \$4.00.

**Sulphocide.** A summer spray against fungous diseases, one of the best preparations of its kind. 50c. pt.; qt., 75c.; \$2.00 per gal.

**Scalecide.** Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. 45c. per qt.; per gal., \$1.00; \$3.25 per 5 gals.; 10 gals., \$6.00; \$16.00 per 30-gal. bbl.; per 30-gal. jacketed tin, \$15.00; \$25.00 per 50-gal. bbl.

**Scale Destroyer.** For San Jose Scale, 1 gal. dilutes to 20 gals. water. Per qt., 35c.; 65c. per  $\frac{1}{2}$  gal.; per gal., \$1.00; \$3.75 per 5 gals.; 10 gals., \$7.50; 25-gal. bbl., \$13.00; per 50-gal. bbl., \$25.00.

**Shoo Fly.** For keeping flies off cattle and horses, used with a sprayer or a sponge, the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 35c.; \$1.00 per gal.; 5 gals., \$4.50.

**Slug Shot.** The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. 15c. per canister; per 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.75; \$3.50 per 50 lbs.; 100 lbs., \$6.50. Full bbl. lots (about 250 lbs.), 5 $\frac{1}{2}$ c. per lb., f. o. b. Factory; 6c. per lb., f. o. b. Phila.

**Sulphate of Copper.** For destroying fungous diseases of all kinds, also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds Sulphate of Copper to 6 pounds Lime, which is diluted in 50 gallons of water. Per lb., 40c.; \$3.60 per 10 lbs.

**Sulphur.** Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Per lb., 10c.; 30c. per 5 lbs.; 25 lbs., \$1.25; \$4.00 per 100 lbs.

**Sulphur Candles.** For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 20c. each; per doz., \$2.00; small, 10c. each; per doz., \$1.00.

**Thrip Juice** (*Hammond's No. 2*). This preparation is very effective against aphid, red spider, mealy bugs and sucking insects generally. 60c. pt.; qt., \$1.00; \$3.25 per gal.

**Thymo Cresol** (*Sheep Dip*). This preparation is used for disinfecting, etc.; it is also an excellent cold water sheep dip. Per 4-oz. bottle, 25c.; 40c. per 8-oz. bottle; per pt., 50c.; per qt., 70c.; \$1.10 per  $\frac{1}{2}$  gal.; per gal., \$2.00.

**Tobacco Dust** for dusting only. Excellent for Lettuce and other plants to destroy soft, creeping insects. Per lb., 10c.; 25c. per 5 lbs.; per 10 lbs., 45c.; \$1.00 per 25 lbs.; 100 lbs., \$3.50.

**Tobacco Dust** (*Special*). For either fumigating or dusting. A specially prepared article; state which kind is wanted when ordering. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.35; \$2.00 per 50 lbs.; 100 lbs., \$3.50.

**Tobacco Soap** (*Sulpho*). A combination of tobacco extract and sulphur, fine for washing and spraying plants; dissolve in warm water. 3-oz. cake, 10c.; 20c. per 8-oz. cake; 10 lbs., \$2.50.

**Tobacco Stems** (*Fresh*). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 5c.; 20c. per 5 lbs.; per bu., 50c.; \$1.00 per bbl. bag; per large bale, \$3.50; \$14.00 per half ton; per ton, \$27.00.

**Tree Tanglefoot.** A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 35c.; 3-lb. cans, 85c.; 10-lb. cans, \$2.75; \$5.25 per 20 lbs.

**Vaporite.** Vaporite is a gray non-poisonous powder which, when it comes into contact with soil, gives off a vapor. This vapor kills all underground insects such as Wireworms, etc. Vaporite is for soil application—not for the leaves of the plant. Vaporite should be uniformly distributed on the surface or in the soil among the insects, so that the gas evolved may destroy them. 1 lb., 15c.; 60c. per 5 lbs.; 10 lbs., 90c.; \$2.00 for 25 lbs.; 50 lbs., \$3.75; \$6.75 per 100 lbs.

**Vermine.** A soil sterilizer, a germicide. Will destroy worms, maggots, etc. It is usually applied at the time of preparing potting soil. Dilute at the rate of one part to 400 parts of water and thoroughly soak the soil. Stock unobtainable at this time.

**Worm Destroyer** (*For Earth Worms*). This preparation is made in England, where it is being applied to grass plots, putting greens, etc., with great success. It is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. It acts as a fertilizer as well as a worm destroyer.

Michell's Brand. We regret we cannot supply this now owing to European complications.

Carter's Brand. In 100-lb. bags only. \$5.00 per 100 lbs.; 500 lbs., \$19.00; \$37.50 per 1000 lbs.; 2000 lbs., \$70.00.

**Worm Eradicator** (*Reade's Electric*). This has been found to effectually destroy worms in greenhouse benches and in potted plants, or for outdoor use in the flower and vegetable garden, or among trees. 4-oz. bottle, 25c.; 8-oz. bottle, 50c.; \$1.00 per 24-oz. bottle; \$4.00 per gal.; \$17.50 per 5 gals.; 10 gals., \$35.00.

**Worm Eradicator** (*Radix*). Destroys worms in lawns, on tennis courts and putting greens. 1 gal. makes 100 gals. of treating liquid. \$2.00 per gal.; per 5 gals., \$9.25; \$37.50 per 25 gals. Powder form: 1 lb., making 30 gallons of liquid, 60c. per lb.; per 25 lbs., \$12.50; \$22.50 per 50 lbs.; per 100 lbs., \$40.00.

**Vapor Cones** (*Lethorion Nicotine*). An English invention providing nicotine in a solid form. The ideal fumigant for either large greenhouse or small conservatory. No. 1 will fumigate 1000 cubic feet, 15c. each, doz. \$1.50; No. 2 will fumigate 1500 cubic feet, 25c. each, doz. \$2.50; No. 3 will fumigate 2500 cubic feet, 30c. each, doz. \$3.00.

**Zenoleum.** A germicide and disinfectant. Endorsed by forty-four State Experiment Stations and Agricultural Colleges, and the leading live stock men of America. Zenoleum is a concentrated solution of coal tar. It mixes with hot or cold water. It will penetrate deeper and more rapidly than any other disinfectant. Liquid,  $\frac{1}{2}$  pt., 25c.; 50c. qt.;  $\frac{1}{2}$  gal., 90c.; \$1.50 gal. Powder, 25c. per 16-oz. pkg.



**Acid Phosphate** (see Phosphate).

**Animal Bone and Potash.** Apply 400 to 600 lbs. per acre. Per 200 lb. bag, \$3.50; \$15.50 per ½ ton; ton, \$30.00.

**Ashes, Canadian Hard Wood.** Apply 1000 lbs. per acre. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.75; \$3.00 per 200 lbs.; 1000 lbs., \$13.50; \$26.00 per ton.

**Ashes, Domestic Hard Wood.** Apply 1000 lbs. per acre. \$1.25 per 100 lbs.; 500 lbs., \$5.50; \$10.50 per ½ ton; ton, \$18.00.

**Asparagus Fertilizer** (Pure Bone and Potash). Apply 600 lbs. per acre. 85c. per 25 lbs.; 50 lbs., \$1.25; \$2.00 per 100 lbs.; 200 lbs., \$3.75; \$32.00 per ton.

**Basic Slag** (see Phosphate).

**Blood** (Dried), 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$6.75 per 200 lbs.

**Blood Flour.** Apply 200 lbs. per acre. 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.50; \$2.50 per 50 lbs.; 100 lbs., \$4.75; \$9.00 per 200 lbs.

**Bon Arbor** (Liquid). 1 gal., \$2.00; \$7.50 per 5 gallons.

**Bon Arbor** (Powder). ½ lb., 30c.; 50c. per lb.; per 5 lbs., \$1.80; 50 lbs. at 25c. per lb.; 100 lbs. at 20c. per lb.; bbls. (200 to 250 lbs.), 18c. per lb.

**Bone** (Coarse Cracked). Per 200 lb., \$6.00; \$27.00 per ½ ton; per ton, \$52.00.

**Bone** (Coarse Ground). Apply 600 lbs. per acre. 5 lbs., 30c.; 30c. per 10 lbs.; 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.75; \$5.25 per 200 lbs.; per ton, \$45.00.

**Bone Flour.** Apply 600 lbs. per acre. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.75; \$5.00 per 200 lbs.; ton, \$45.00.

**Bone Flour** (Superfine Grade). In 100 lb. bags only. Per bag, \$3.00; \$5.50 for 2 bags.

**Bone Meal** (Fine Ground). Apply 600 lbs. per acre. 3 lbs., 15c.; 25c. for 5 lbs.; 10 lbs., 40c.; 85c. per 25 lbs.; 50 lbs., \$1.35; \$2.50 per 100 lbs.; 200 lbs., \$4.25; \$37.50 per ton.

**Bone Meal** (Michell's Special Grade). 100 lbs., \$2.75; \$4.50 per 200 lbs.; ton, \$42.50.

**Bonora.** 25c. per package; per lb., 50c.; \$2.50 per 5 lbs.

**Chrysanthemum Manure** (Thomson's Special). Per 28 lbs., \$4.50; \$7.50 per 56 lbs.

**Clay's Fertilizer.** 15c. per lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$2.00; \$3.75 per 56 lbs.; 112 lbs., \$7.00.

**Climax Lawn Sand.** 3½ lbs., 40c.; 75c. per 7 lbs.; 14 lbs., \$1.25; \$2.00 for 28 lbs.; 56 lbs., \$3.50; \$6.00 for 112 lbs.; 560 lbs., \$25.00; \$45.00 for 1120 lbs.

**Copperas.** 25 lbs., \$1.00; \$1.75 for 50 lbs.; 100 lbs., \$3.25; \$6.00 for 200 lbs.

**Cotton Seed Meal.** Apply 600 lbs. per acre. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$25.00 per 1000 lbs.; per ton, \$48.00.

**Cow or Cattle Manure** (Shredded). 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; \$1.25 per 50 lbs.; \$2.25 per 100 lbs.; 500 lbs., \$10.00; \$16.50 per 1000 lbs.; ton, \$32.00.

**Cow Manure** (Pulverized). Apply 1000 lbs. per acre. In 100 lb. bags only, \$2.25; \$10.00 per 500 lbs.; \$16.50 per 1000 lbs.; per ton, \$32.00.

**Dried Ground Fish.** Apply 300 to 400 lbs. per acre. In 200 lb. sacks only, \$6.50; \$60.00 per ton.

**Farmo-Germ.** Garden size bottle, 25 and 50c.; acre size bottles, \$2.00; \$6.00 per 5 acre bottle.

**Guano Peruvian Substitute** Apply 600 lbs. per acre. Extremely scarce. Price quoted on application.

**Horn Shavings.** 10c. per lb.; 5 lbs., 40c.; \$1.75 per 25 lbs.; 50 lbs., \$2.75; \$5.00 per 100 lbs.

**Horse Manure** (see Manure).

**Humus** (Alphano-Prepared). 5 lbs., 25c.; 65c. for 25 lbs.; 50 lbs., \$1.00; \$1.25 per 100 lbs.; 500 lbs., \$6.00; \$10.00 per 1000 lbs.; ton, \$16.50. Special prices f.o.b. factory.

**Kainit** (Potash Salts). Apply 800 to 1000 lbs. per acre. Unobtainable due to the war.

**Land Plaster.** Apply 1000 to 1500 lbs. per acre. 5 lbs., 15c.; 35c. per 25 lbs.; 50 lbs., 60c.; \$1.00 per 100 lbs.; 200 lbs., \$1.50; \$12.00 per ton.

**Lawn Dressing** (Michell's Odorless). Apply 500 to 600 lbs. per acre. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.00 per 200 lbs.; 1000 lbs., \$21.00; \$40.00 per ton.

**Lawn Sand** (Climax). 3½ lbs., 40c.; 75c. for 7 lbs.; 14 lbs., \$1.25; \$2.00 for 28 lbs.; 56 lbs., \$3.50; \$6.00 for 112 lbs.

**Lime** (Hydrated or Powdered). Apply 1 ton per acre on fields or ½ ton on lawns. Per 100 lb. sack, \$1.00; 500 lbs., \$4.50; \$7.00 per 1000 lbs.; ton, \$12.50.

**Limestone** (Pulverized). In 100 lb. bags only \$1.00 per bag; 1000 lbs., \$6.00; \$10.00 per ton (\$6.25 per ton f.o.b. factory).

**Manure** (Fresh Horse, Stockyard and Cow). In carload lots only. Prices quoted on request.

Mapes Fertilizers.	F.O.B.	Factory	F.O.B.	Phila.
	200 lbs.	Ton	200 lbs.	Ton
Potato Manure .....	\$4.50	\$42.00	\$5.00	\$45.00
Corn Manure .....	4.00	37.00	4.25	40.00
Complete Manure ....	5.25	49.00	5.50	52.50

**Muriate of Potash.** Apply 100 to 150 lbs. per acre. Unobtainable on account of the war.

**Nitrate of Soda.** 1 lb., 10c.; 40c. per 5 lbs.; 10 lbs., 75c.; \$1.75 per 25 lbs.; 50 lbs., \$3.00; \$5.90 per 100 lbs.; 200 lbs., \$10.50; \$47.50 per ½ ton; ton, \$92.50.

**Mulford's Culture.** For inoculating Legumes. Garden size (¼ acre) 50c.; \$1.50 per acre size; 5 acre size, \$5.00.

**Plant Food** (Michell's). 15c. per 6 oz. package; 4 pkgs., 50c.

**Plant Food** (Bowker's). 4 oz. pkg., 15c.; 25c. for 12 oz. pkg.

**Phosphate for Corn.** Per 200 lbs., \$3.25; \$13.00 per ½ ton; per ton, \$25.00.

**Phosphate, High-Grade Acid, Tennessee.** Apply 1000 lbs. per acre. In 200 lb. sacks only \$2.50; \$19.00 per ton.

**Phosphate, Michell's High Grade Ammoniated.** Apply 500 to 600 lbs. per acre. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.10 per 50 lbs.; 100 lbs., \$2.00; \$3.50 per 200 lbs.; per ton, \$28.50.

**Phosphate** (Thomas Basic Slag). Apply 600 to 800 lbs. per acre. \$4.00 per 200 lb. bag; per ton, \$32.50.

**Potato Phosphate** (Michell's Hi-Grade). Apply 400 to 600 lbs. per acre. 25 lbs., 85c.; \$1.25 per 50 lbs.; 100 lbs., \$2.25; \$4.00 per 200 lbs.; ½ ton, \$19.00; \$36.00 per ton.

**Potato Manure** (Baugh's). Apply 400 to 600 lbs. per acre. 25 lbs., 75c.; \$1.10 per 50 lbs.; per 100 lbs., \$2.00; \$3.50 per 200 lbs.; per ton, \$32.00.

**Poudrette** (Native Guano). Apply 1000 lbs. per acre. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.50; \$2.75 per 200 lbs.; 600 lbs., \$6.00; \$9.50 per 1000 lbs.; per ton, \$18.00.

**Salt** (Agricultural). Apply 600 to 800 lbs. per acre. 10 lbs., 20c.; 30c. for 25 lbs.; 50 lbs., 55c.; \$1.00 per 100 lbs.; 200 lbs., \$1.50; \$12.00 per ton.

**Sheep Manure** (Wizard Brand). Apply 1000 lbs. per acre. 2 lbs., 15c.; 25c. per 5 lbs.; 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., \$1.25; \$2.25 per 100 lbs.; 500 lbs., \$10.00; \$16.50 per 1000 lbs.; per ton, \$32.00.

**Soot** (Imported Scotch). 10c. per lb.; 5 lbs., 35c.; \$1.00 per 25 lbs.; 112 lbs., \$3.75.

**Sulphate of Ammonia.** Apply 75 to 100 lbs. per acre. 5 lbs., 60c.; \$1.00 per 10 lbs.; 25 lbs., \$1.75; \$5.50 per 100 lbs.

**Sulphate of Potash.** Apply 100 to 125 lbs. per acre. Unobtainable due to the war.

**Tankage.** 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.00 per 200 lbs.; ton, \$36.00.

**Thomson's Special Flower, Vegetable and Vine Manure.** 15c. per lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$2.00; \$3.50 per 56 lbs.; 112 lbs., \$7.00.

**Tobacco Stems.** 5c. per lb.; 5 lbs., 20c.; 50c. per bushel; per barrel sack, \$1.00; large bales, \$3.50; \$13.00 per ½ ton; ton, \$22.00.

**Wood Ashes.** (See Ashes.)

**Wheat Fertilizer.** Apply 500 to 600 lbs. per acre. 200 lbs., \$3.25; ½ ton, \$14.50; \$28.00 per ton.



# MICHELL'S Rustic and Ornamental BIRD HOUSES

Should be Placed in the Autumn to encourage the Desirable Species to spend the Winter with us

Comparatively few of us recognize the great economic value of birds. Particularly the bluebirds, house wrens and martins are very easily domesticated. Their favorite nesting sites are bird houses made for their use which may be placed about the garden, farm or orchards. As rent, these grateful birds pay amply, by destroying millions of insects annually. If you put up your bird houses in the autumn, you may be able to keep the birds with you all winter. Providing shelter and food, you can keep your feathered friends the year round.

## MICHELL'S WREN HOUSES

Place Wren Houses near your dwellings; the wren is hardly ever known to nest off in the woods. If not disturbed, they will become very tame. These Wren Houses are made with 1-inch holes so that sparrows cannot disturb the occupants.



No. 1—For Wrens  
\$1.25  
(Not Mailable)



No. 50. Price, \$1.15  
Hanging Wren House  
P. P. Weight, 3 lbs.



No. 11. Price, \$1.35  
P. P. Weight, 3 lbs.



No. 13. Price, \$1.35  
P. P. Weight, 3 lbs.



No. 9. Price, \$1.35  
P. P. Weight, 3 lbs.



No. 12. Price, \$1.35  
Made to Swing



No. 28. The Wren "House Beautiful." Price, \$2  
P. P. Weight, 4 lbs.

## MARYLAND WREN BOX



These are very useful as well as ornamental, for putting on trees or fastening on buildings. Painted red and green, very attractive, 35 cts. each, 3 for \$1. Parcel post weight each 1 lb.

## MISCELLANEOUS BIRD HOUSES



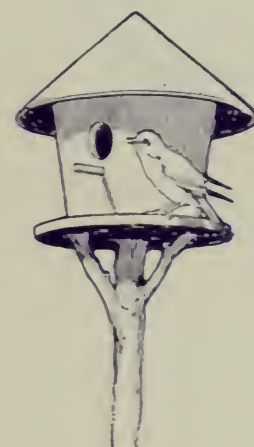
No. 22. Price, \$1.35  
Houses for Woodpecker, Nuthatch, Chickadees, etc.  
P. P. Weight, 3 lbs.



No. 25. Price, \$1.15



No. 3. Scoutcraft Style  
for Martins  
Price, \$3.25. (Not Mailable)



No. 2. For Bluebirds  
Price, \$1.50  
(Not Mailable)



No. 77. For Martins. Price, \$6. (Not Mailable)  
No. 8. 14-room Martin House. (Not Illustrated). Price, \$20.00  
No. 4. 8-room Martin House. (Similarly constructed to No. 3).  
Price, \$4.25  
(No. 4 and No. 8 are Not Mailable)



# AUTUMN 1916

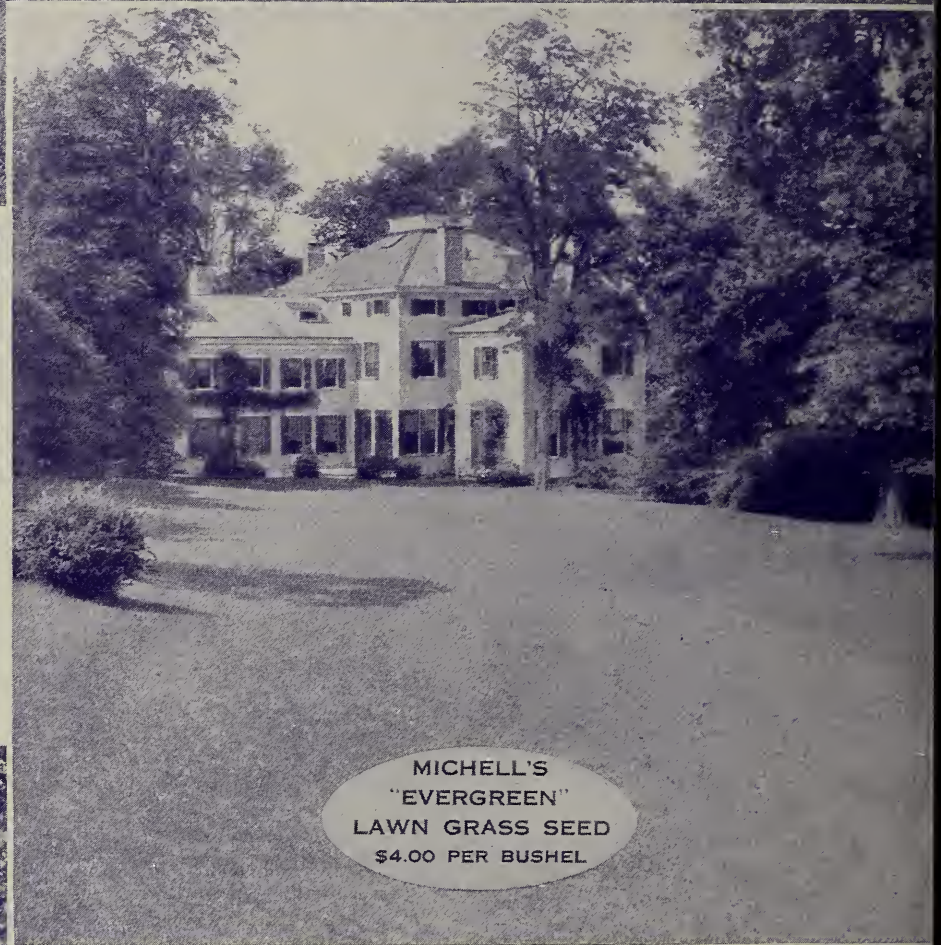
27<sup>TH</sup> YEAR



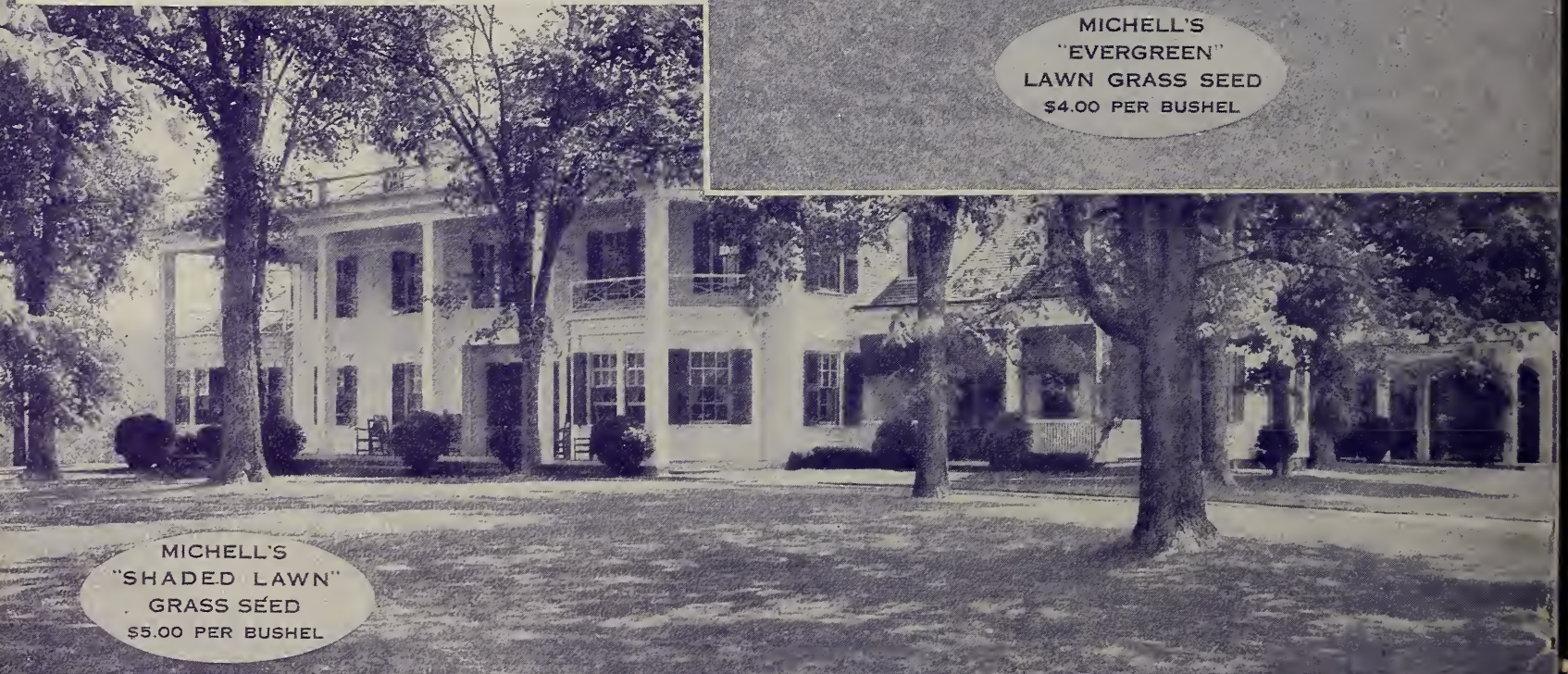
MICHELL'S  
FAIR GREENS (GOLF)  
GRASS SEED  
\$4.50 PER BUSHEL

## MICHELL'S GRASS SEEDS

SEPTEMBER AND OCTOBER  
ARE THE BEST AUTUMN  
MONTHS FOR SOWING  
GRASS SEED



MICHELL'S  
"EVERGREEN"  
LAWN GRASS SEED  
\$4.00 PER BUSHEL



MICHELL'S  
"SHADED LAWN"  
GRASS SEED  
\$5.00 PER BUSHEL

HENRY F. MICHELL CO., 518 MARKET ST., PHILA.